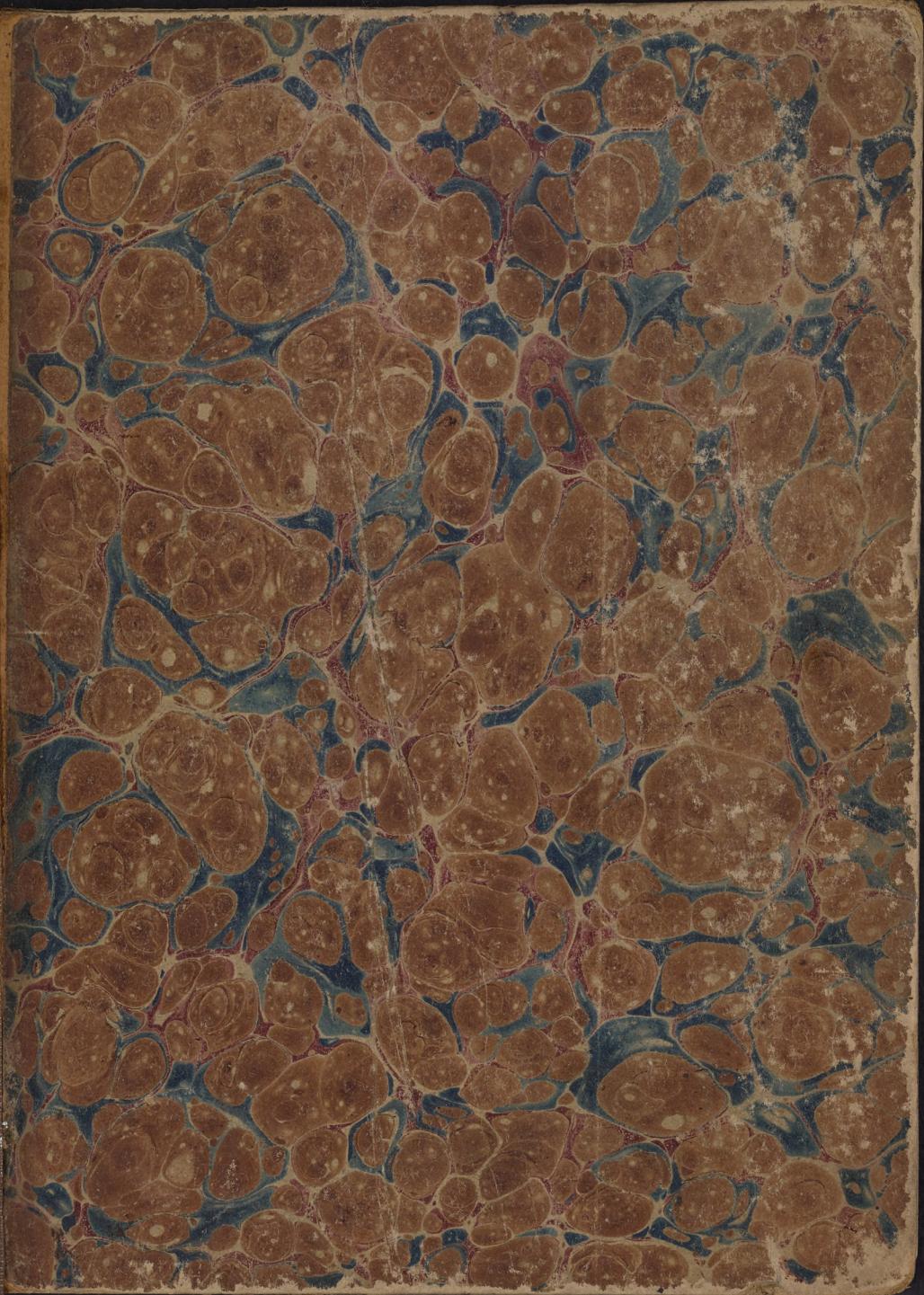
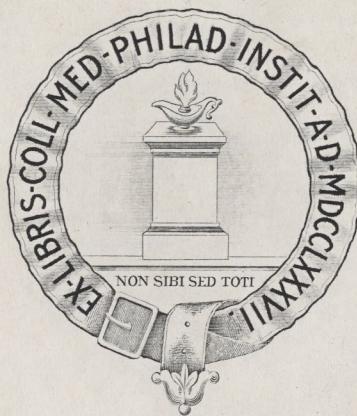


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Class 10a No. 238 v.2

Presented by

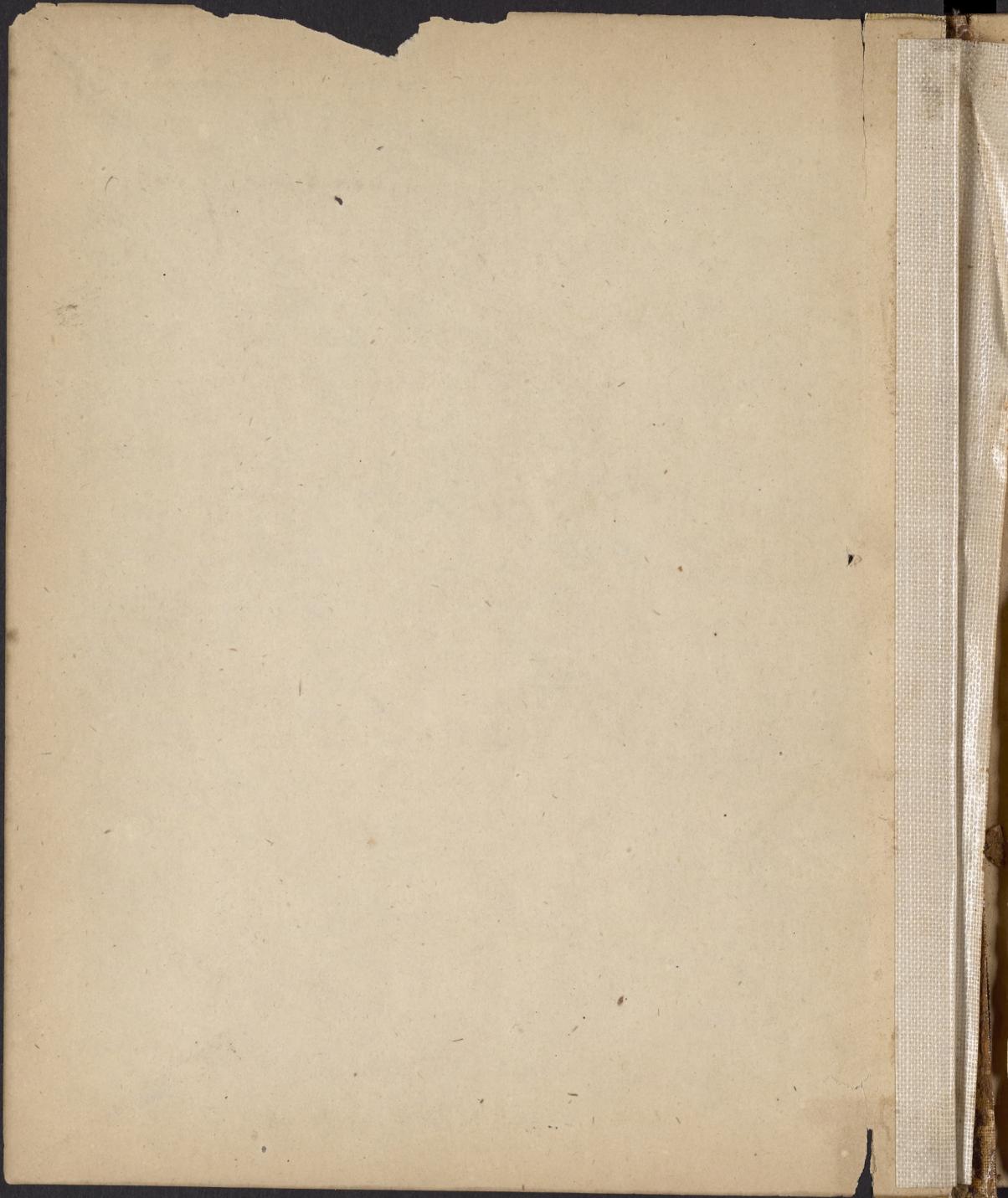
Daniel Murray Cheston, M.D.

Notes on Prof. F. G. Smith's
Lectures on
Physiology & The Institutes
of
Medicine.

University of Penna.
1883-84.

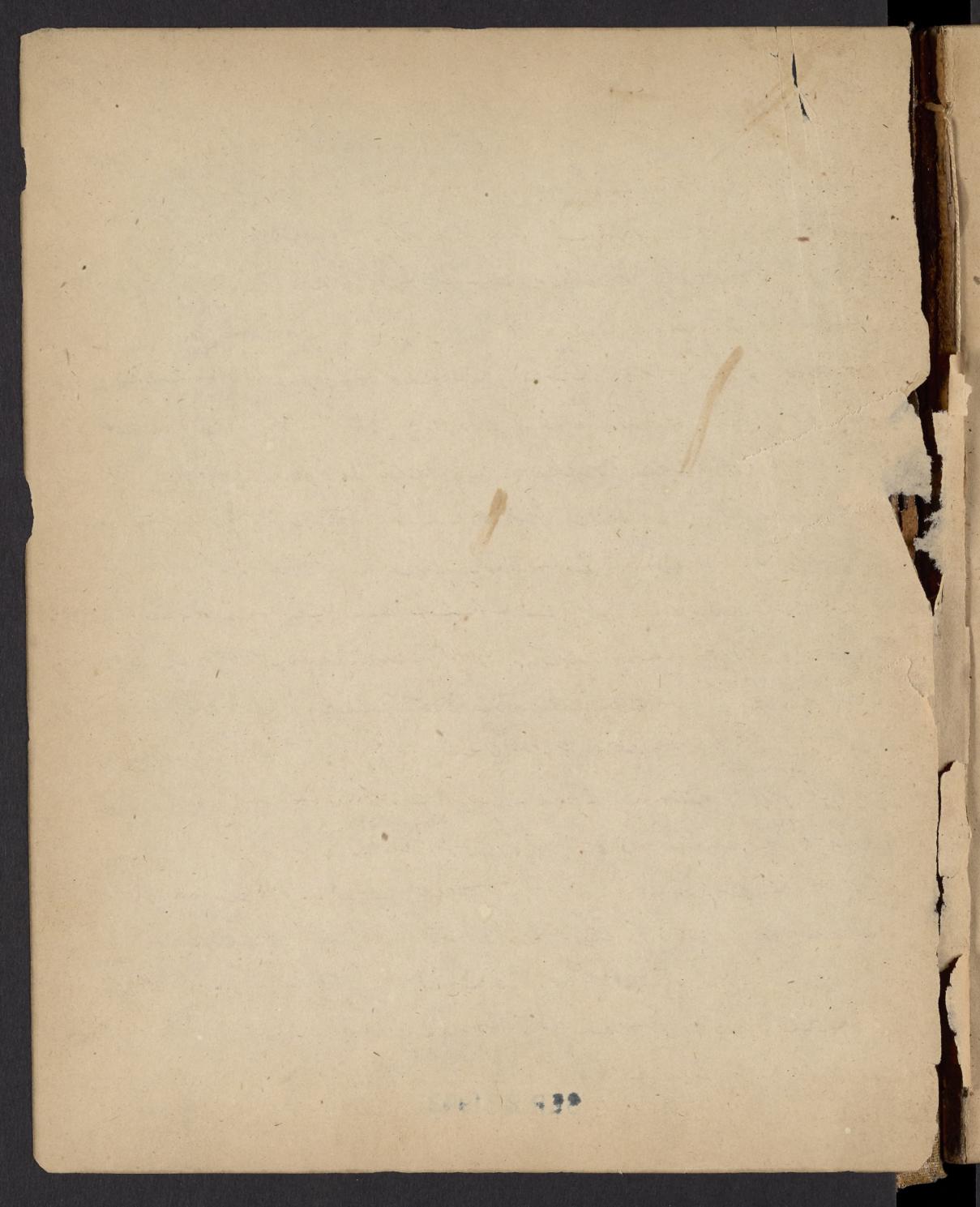
Vd. 2

S. M. Chesbon.



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SEP 23 1942



February 15th - 84.

It makes 4 divisions of nervous system.

Peripheræ ganglionie around brain.

Sensory - motor - base of brain

Cyclo-motor division - in spinal marrow.

Great Sympathetic". Function of Sensation means the function presiding over consciousness of impressions - located in the brain.

The mind recognises as an impression the change wh. takes place in the brain - in the Sensorium commune. Gen & Spec. Sensibility - Special Sensibility has nerves transmitting impressions of a special character - Optic & Olfactory nerves instance. Irritation of these nerves doesn't cause pain, No one of them can take on itself the special functions of another.

Gen. Sensibility - conveys or transmits impressions of a general character - Sensation of heat & cold &c conveyed by them. Sensations arise fr. impressions made as well on the centre of the nerve (Subject) as on the objective or object - impressions

always referred in these cases to the peripheral extrem. of the nerves.
Congestion occurring at the termination of the fibers of Special Sense causes a peculiar sensation or phenomenon at the extremis of the nerve. Same thing occurs in nerves of fine sensibility. May excite all the nerves of Special Sense by the same cause, as a blow in the face. - See Stars, Drawing &c. Diminishes the Sensibility of a part by diminishing its vascularity - Increasing it by increasing its vascularity. Continuity of the Nerve & a proper condition of the centrum necessary. Nerves become accustomed to sensations. When attention is directed to these sensations it becomes stronger.
5 Special Senses - Seeing, Hearing, Feeling, Smelling & Tasting.
Dr. Phipps thinks the Muscular Sense may be added to this. Within post columns of spinal cord have been

injured. This muscular sense is lost & man
loses from side to side & has no idea of
the amt. of muscular action required -
The guiding influence of muscular sense
has been destroyed. Used to be sup-
posed that this guiding sensation resi-
ded in skin - Somebody skinned frog
& found he still possessed it.

Sense of fatigue also conveyed by mus-
cular sense. Touch - Seat in
skin - best at tips of fingers, lips &
extremity of tongue. The number of the pac-
killa is an index to the relative sensi-
tivity of the part, we cause the
organ of sense of touch not only to touch
a body but to pass over it, in examining
it. It can be so educated that
blind persons learn to read in this
manner. Blind people learn the
color of bodies in this way. In some
persons it is more developed than in
others. Whales & bats have the nervous
fibres remarkably developed on their

bodies.

Feb. 17th.

Power of appreciating impression or
sense of pain not always most acute
where sense of touc^h is most keen.
Has been supposed that two separate
classes of ^{nerve} ~~muscles~~ preside over these
two senses; - not so. - The power of
appreciating impressions seems to
reside in the skin itself. Remove
it & apply a hot body - the sensation
of pain is experienced, but we can
form no idea of its form by the sense
of touch. The impressions made
upon the organ of gen^tl. Sensibility
remain some time. Much more
vivid when first made than later.
Sensation of insects crawling over
body, &c. &c. - pleasure are "subjective
sensations." Sensation of "touc^h"
the most frequent in all animals.
Taste is the next most frequent,

5-

Resides in tongue, soft palate & perhaps lips, & cheeks. Papillae on tongue ana-
tomically alike papillae of tongue on skin.
Capitata-papillae of far back. Filiform
& Circumvallata papillae. They are
vascular structures & have nerves of
taste distributed in them.

Filiform papillae minister largely to
Front-Sensibility. Hypo-glossal nerve
administers to motion of tongue - comes
from motor tract. Glossopharyngeal
nerve terminates in Capitata papillae.
Administers to front & speciee sensibility;
resides over lips at posterior part of
tongue. Infra-marginal branch of
Trigeminal goes also to tongue - admin-
isters to lips at sides & tip of tongue,
Front-Sensibility of tongue.

Tasted tongue depends upon modification
of fine surface of epithelium.

In order to taste, nerves must be in
a state of integrity - the substance
to be tasted must be in a sol. condition,

The Substance must be made to pass over the sensitive surface.

When mouth is dry the sense of taste is lost. Taste can be educated & cultivated - Wine tasters & Epicures exhibit this. "After taste" - sensation left after tasting certain substances.

Subjective Sensation exists here as well as in Sense of touch - experienced in bad taste after blows on head &c - as well as in taste of Med. when injected { injection }.

Some Substances modify taste -
Cold, long applied, destroys it, frequent repetition of tasting substances destroys it. ^{thus}

Sense of Smell. Located in Schenck's Membrane. Olfactory nerves distributed over turbinated bones -
Supt & upper half of middle. It is peculiar in structure - gelatinoid & has my white substance of Leberwue -
Local Sensibility not connected with this. Trigeminal administers to

The gent- Sensibility of the nose - has been supposed to preside too over Special Sensibility of nose - Case reported by Byrnard would go to support this Theory. Smell can be so cultivated as to be able by it to recognise individuals - blind persons often exhibit this. Subjective Sensation exists here too - fear from a horse may make man smell something nasty? Impression remains, when made, for a short time. After have after-sensations - "After Smell here. After-taste & after-Smell has same relation to taste & Smell as Complementary colors have to vision. When impressions occur with great frequency the perception is finally lost.

Feb. 19th

Sense of hearing - or Audition - Mind becomes conscious of waves producing Sound. Auditory nerve being destroyed, the Sense of sound is lost. A nerve contained in a Sac, is the

Essential condition.

The vestibule is the lase contained
the nerve & a fluid, - the nerve being
distributed on the lining lase.

3 portions of ear = ext., middle
or tympanum, int. or labyrinth.
Pinna ext.- Auditory
meatus constitutes external ear.

Membrana tympani closes the bottom
of ext. meatus - usually not tense,
has no foramen or opening in it.

{ Middle ear - tympanum, having
for. oval & for. rotund. closed by mem-
branes. Cylindrical - lined with
mucous membr. Communicates
with mastoid sinuses & with ~~the~~
& Eustachian tube. Small bones
of ear, malleus - (attached to membr.
tymp.) - malleus & stapes articulate
together in middle ear -reattach
Communication bet. Oval foramen
& membr. tympani,

{ Internal ear - petrous portion
of temp. bone. Vestibule, Demi-

9

Circular Canals & Cochlea included
in this - Communicate with one another
& each contains fluid; in vestibule
& semicircular canals we have a
Sort of cast - called membr. laby =
ring. bone in Cochlea. Endolymph
within semicirc. canal.

In membranous labyrinth we find
otolithes. In cochlea we have bony
tubinae & membr. laminae.
Scala vestibuli & Scala tympani
communicate at upper part of cochlea.
Auditory nerve distributed to mem-
branous labyrinth.

Sounds are transmitted to membr.
tympani - transmitted by bones to
membr. of oval for. - fr. this to
vestibule, membranous labyrinth
&c. (Sounds are transmitted by recip-
rocation, by resonance & by conduction,
last, but not least by any means)
Solids conduct better than liquids
& liquids better than gases. No

Sound is transmitted in a vacuum.
Canon fired over ice you hear
two sounds - one transmitted
the ice more audibly than the
other by the air.

The air sac is thrown into vi-
brations of reciprocal action - so
will air in contact with membr.
tympani. Conducted proper
to perilymph, membr. labyrinth,
endolymph & olillies. ^{may} Lighten the membr. tympani,
it can elevate its fundamentæ
note, at the same time be-
coming deaf to all sounds below
this fundamentæ note.

Effusion into Eustachian tube
lightens membr. & elevates fun-
damentæ note - may perforate
the membr. adnay causing
in these cases.

Chain of bones conducts sound
across tympanic cavity wh.
isolates the chain of bones.

Persons without the tympanum membr., or the bones may still hear; The vibrations being transmitted to oval & round foramen by reciprocation. Cristae, tube serves to balance the air on the two sides of membr. & conducts away secret. Membr. of round foramen receives vibrations of reciprocation & transmits it to cochlea.

Semicircular canals serve as "dampers" one to another - enable us to isolate the sensations diff. The different sounds - prevent their being reflected back in even direction. Sounds going up by diff. Seals meet at top & neutralize one another & then impress the auditory nerve directly.

If these vibrations succeed one another at the rate of 7-14 per second, a single impression of note is made.)

Feb. 24th.

Sense of hearing is delicate - seen
in blind, in Telegraph operators &c.

In Aurium &c indications of Subjective
sensation fr. various modifications
of the int^r of the head.

Can judge of size of bodies as well
as their distance by their sound.

Can similar distance - ventrilo-
quists. Can tell of the speed at
wh. bodies are moving by sound.
Some persons insensible to sound,
not fr. any affection of the
organ itself but fr. Semirano
Sept. trouble. Man appreciates
a greater range of sound than
other animals. - 8-9 octaves.
Regulate the pitch of the voice
very much by sense of hearing.
Auditory nerve endowed with a
high degree of sensibility - developed
by want of use.

13

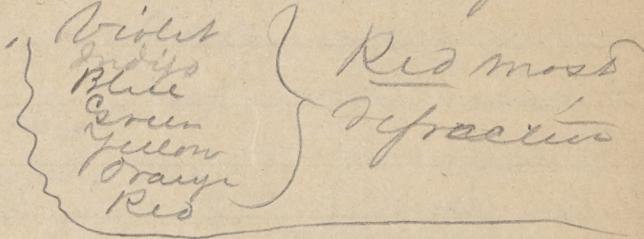
{
Organ of Seeing - In simplest
form it is a Sensient Nerve, shielded
with coloring matter. In man =
a Nerve endowed with Special
Sensibility - capable of appreciating
rays of light. Optic nerve & its spanning
sclerotic coat, varying in density ac-
cording to amt. of pressure to wh. It is sub-
jected - very thick in whales & other
fish. Sometimes have osseous plates
protect it. Cornea - being in front.
Coat with fluid. Choroid Coat, thin
& delicate, with blood vessels & pigment.
Iris. Retina, or expansion of Optic
nerve - formerly supposed.

Retina Composed of 4 Coats - the
innermost one is the expansion
of the Optic nerve ^{having no white substance of corpus genitale} having no white substance of corpus genitale
the next ^{having protoplasm} regular, the 3rd granular & the
4th - Leber's membrane.

Vibrinous body - Crystalline body, in
front - surrounded by hyaloid
membrane.

Ant & Post Chambers
communicate through pupil,
Separated by iris. Aquous
humor in these chambers.

A ray of light in going into a denser
body is refracted towards a perpendicu-
lar ; from the perpendicular
on passing into a body of less
density. The refractive power of
the circumference of a lens is
greater than the centre - i.e -
rays passing through the circumfer-
ence of a lens are brought to
a focus sooner than through
the centre.



Dives:

Feb. 25th.

As rays of light reach choroid coat they are absorbed & converted into heat. The fibrous layer is the conductive layer. The viscidular layer is the one in wh. the change takes place. The material of this layer is oxidized & has to be regularly replaced.

4 straight & 2 oblique muscles.

Oblique muscles assist in rotation on longitudinal axis & act as antagonists to recti. Eye adapts itself to distances - not by contraction of recti muscles, but by the action of the ciliary muscle, which contracting, draws on tigaloid membrane & thus allows crystalline lens to approach anterior part of eye.

(See page 14) Remove lens & eye can't adapt itself to distances. (Belladonna acts on 3rd pers. of nerves & causes voluntary muscles to overcome action of circular.) Sailors & those in the habit of

looking at long distances these
fibres of ciliary muscle become
fibrill & don't act & lenses move
becoming near sighted -

Opposite state of things in
Students, water makers etc.
Myopia - too great refraction
on the part of the lenses = rays
come to a focus ant to retina
too great a convexity of crystalline
lens. Eyes closed par-
tially so as to enable rays to
fall on center of lens & not be
bent on circumference.
Must use here double
Concave lens = to disperse
the rays.

Hypermetropia = too little refract^h
power on the part of the media
fr. too little density of humor
or too little convexity of lens -
rays not brought to a focus
far enough - use double

17

Convex lens to bring rays to a focus. The image drawn on a screen behind the lens is inverted, owing to rays through circumference being more refracted than those passing through centre.

(This impression is not so much a picture as a mentale condition or impression - hence we see things in the erect position & not inverted) We naturally call that top to wh. we have to look upward. When a ray of light falls on the retina the impression is projected forward in the direction of a perpendicular to the point impressed.

Single vision with two eyes - owing to the partial decussation of optic commissum - the left side of either eye receives fibres from same nerve - ditto the right side of either eye.
When rays of light fall directly

upon the optic nerve they are
not perceived, because there
is none of that vesicular matter
there or because Optic passes
directly through the center of this
frame. The rays of light
fr. one body if they impinge a
large surface of the retina,
may finally prevent our seeing
a smaller body at wh. we may
have been look'd at.

Complimentary Colors

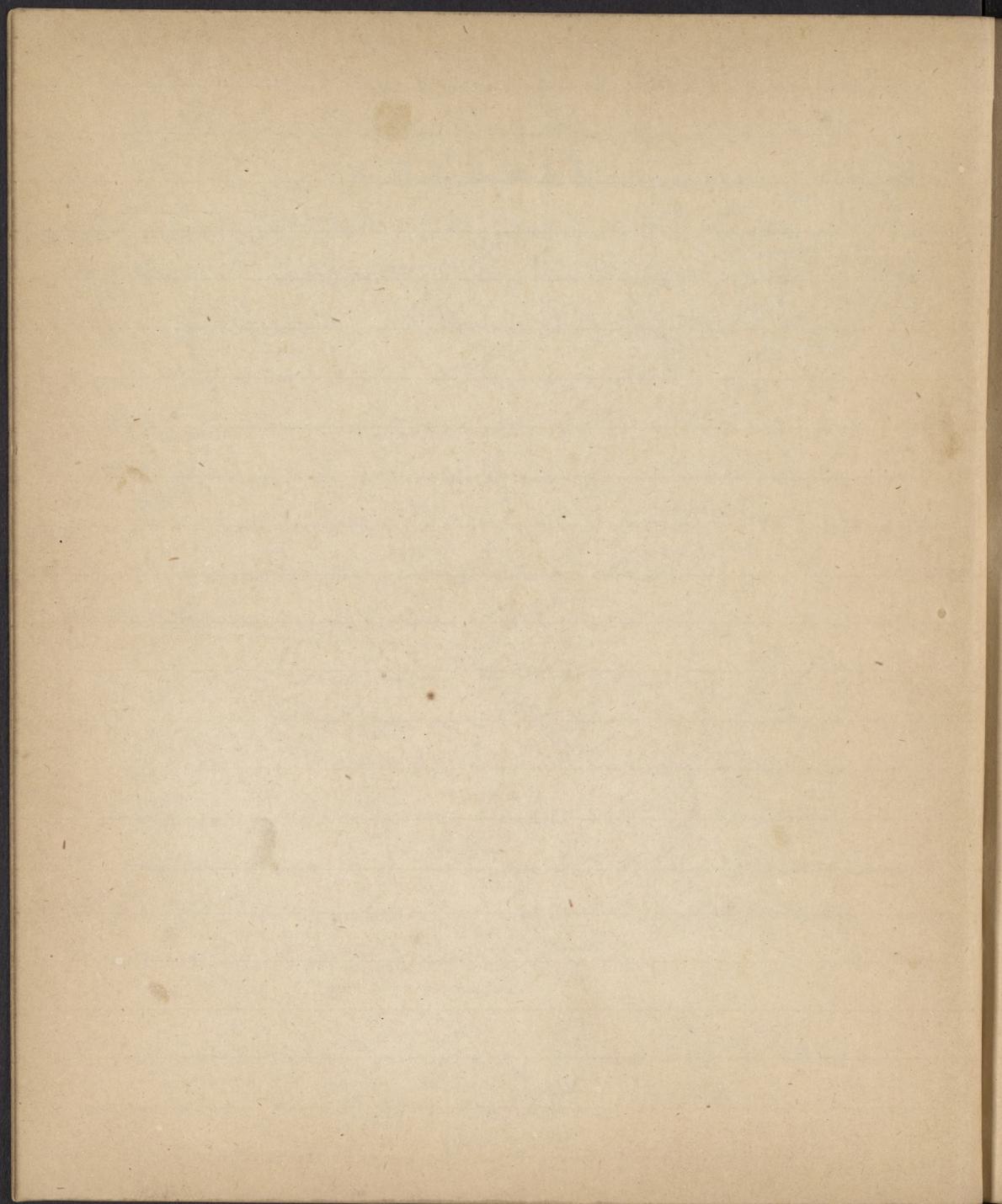
Red - Green } If we
Yellow - Violet } look at
Orange - Blue } anyone
of these colors tire the retina
is fatigued & then look away
The opposite color is seen -
hence Specches &c.

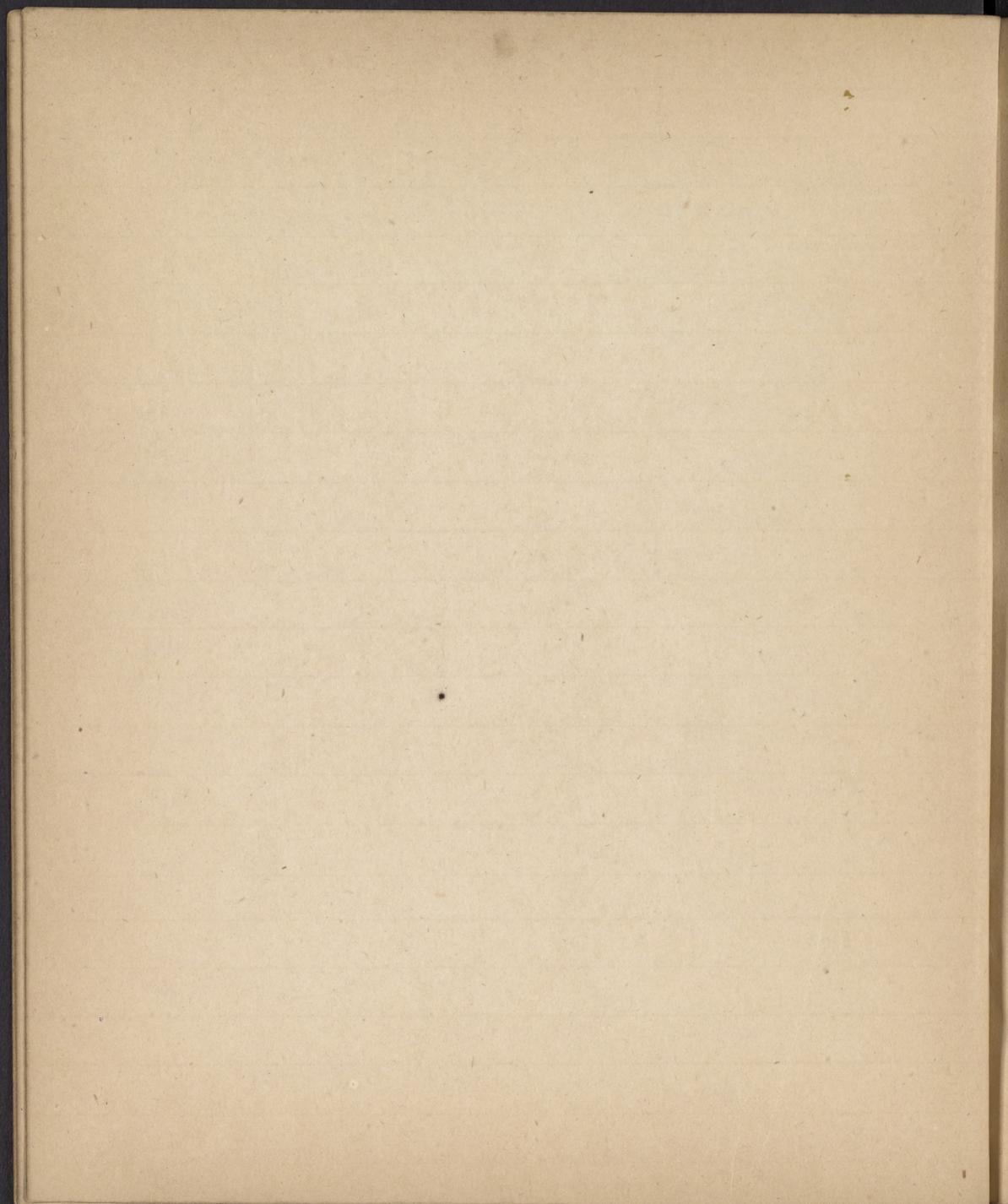
Inversed vision, due to changes
taking place in the int^e of the
Nerv. Centris & taking all out-

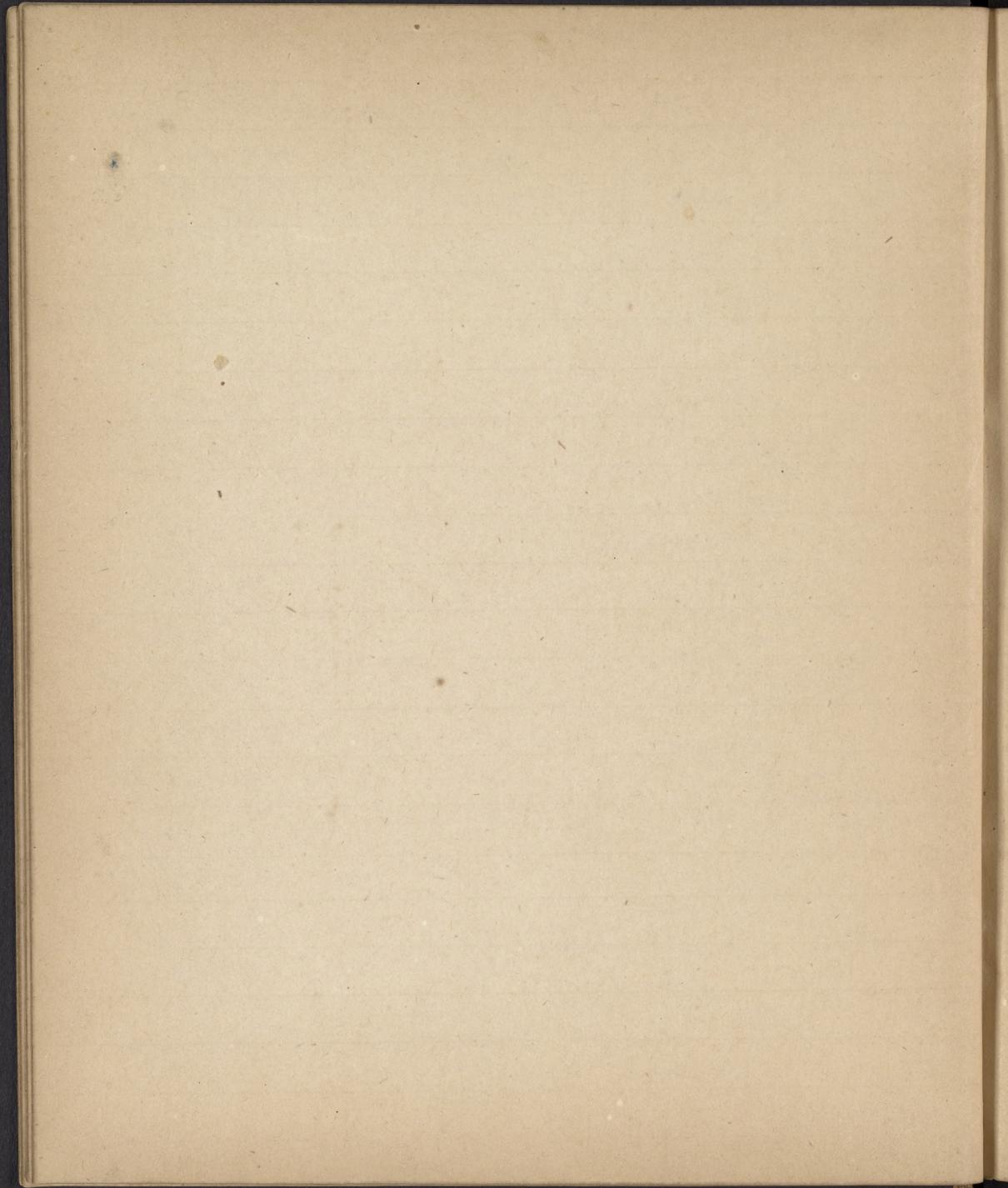
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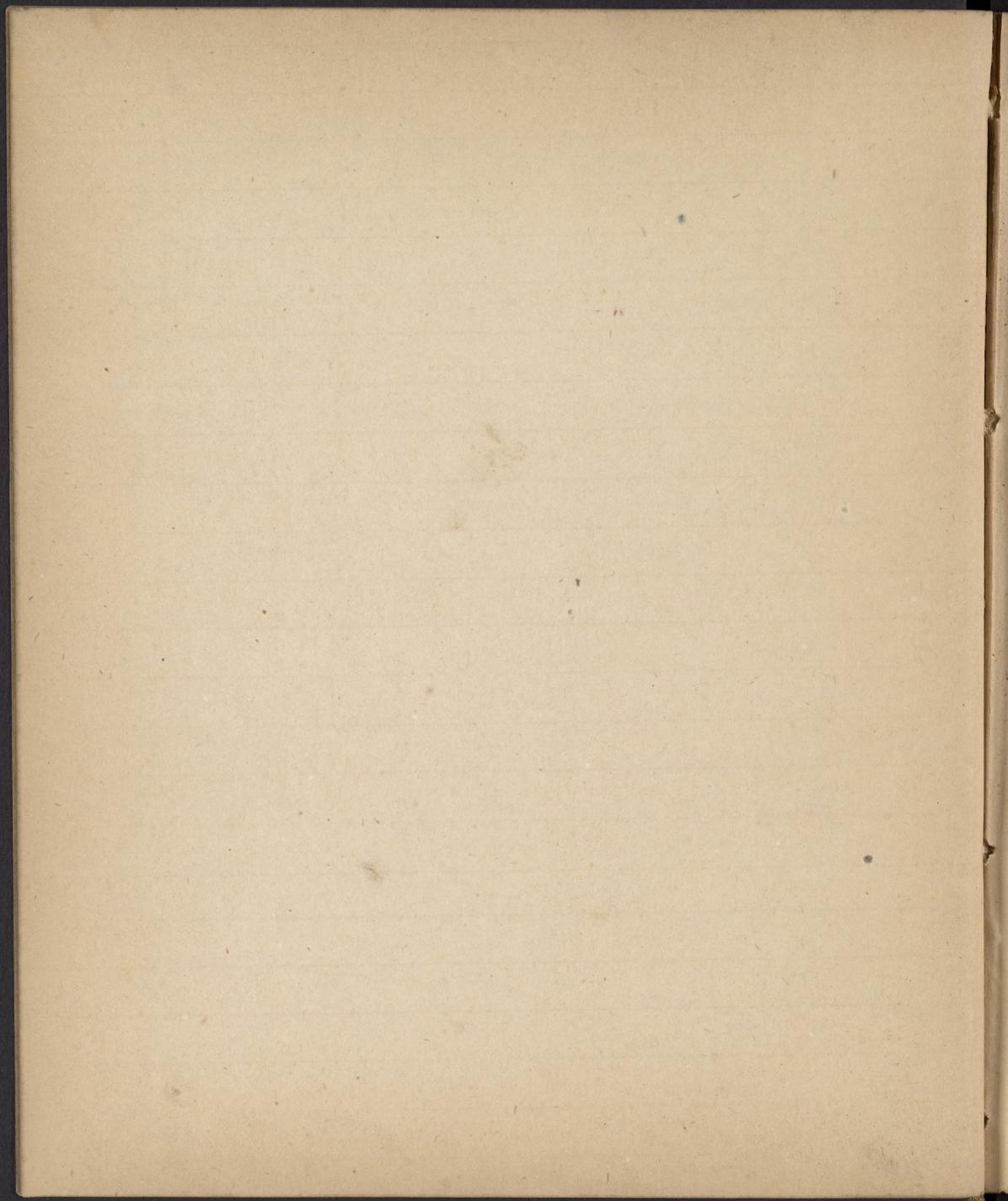
ward direction produce sensation
of vision in the extⁿ. world -
Subjective sensations.

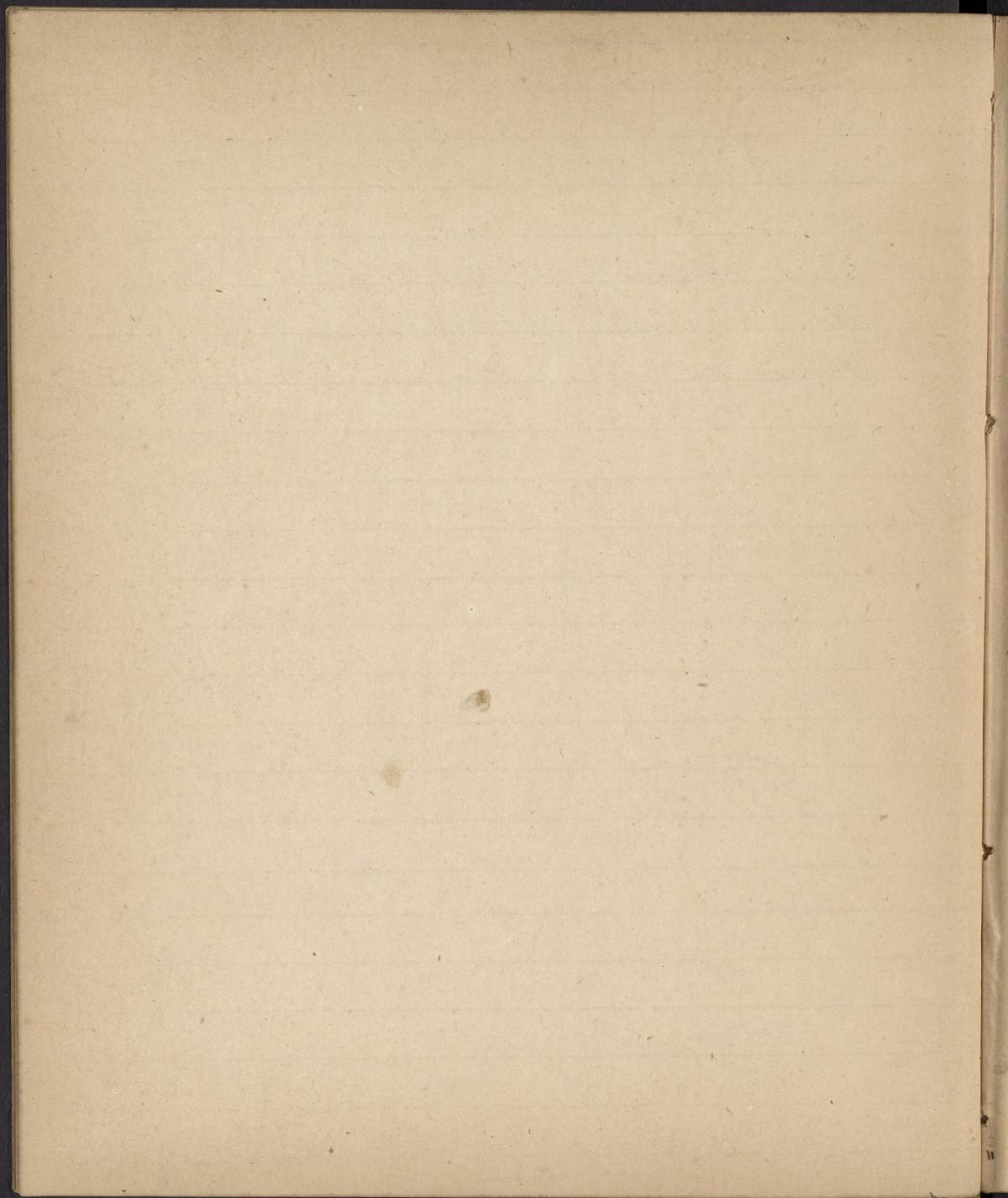
Visionary sensations hence are
capable of being produced either
by ext- or intⁿ impressions.











See in other family.

Dr James Chisolm

Dr James Murray

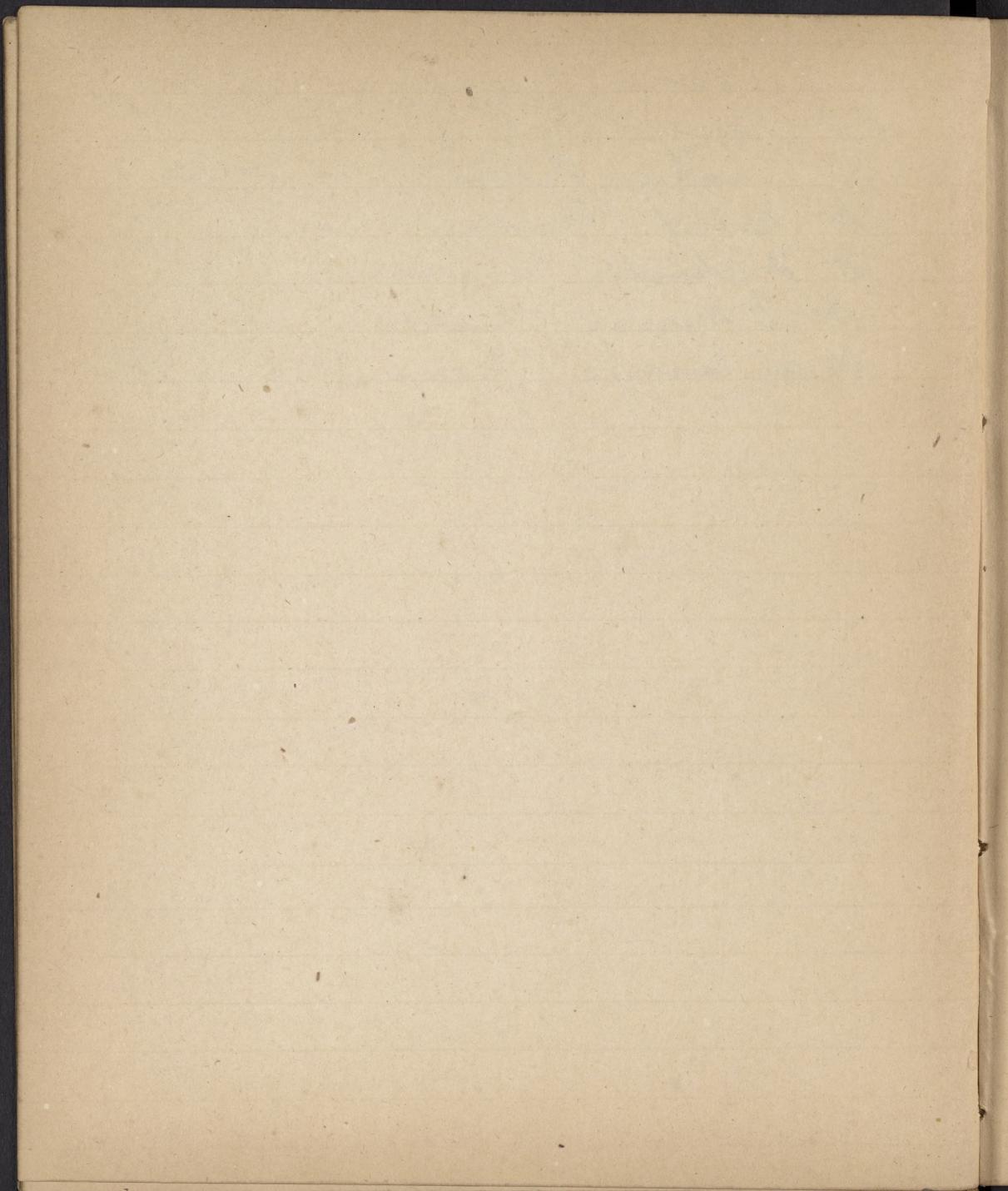
Dr Caspar Morris

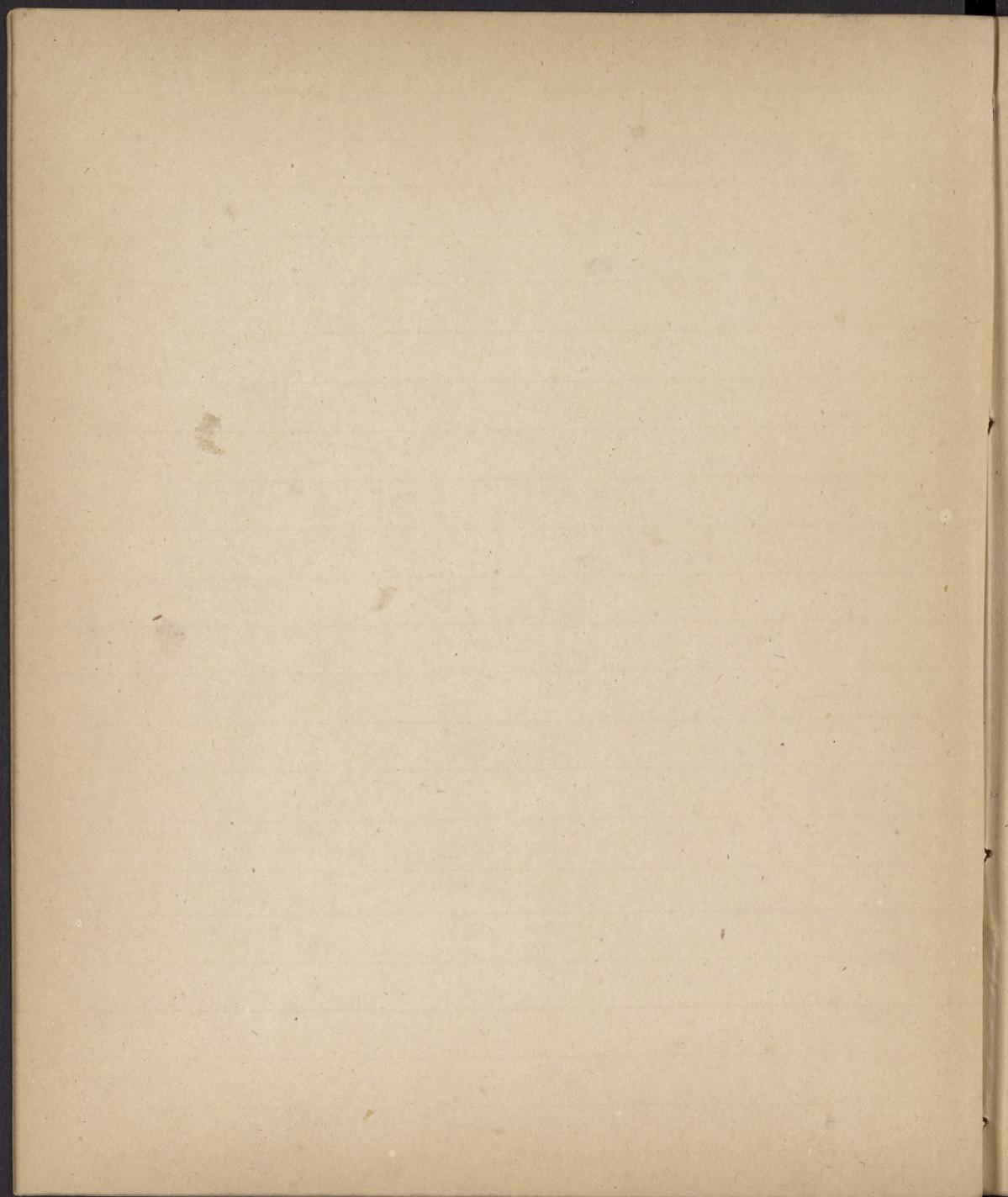
Dr Robert Murray.

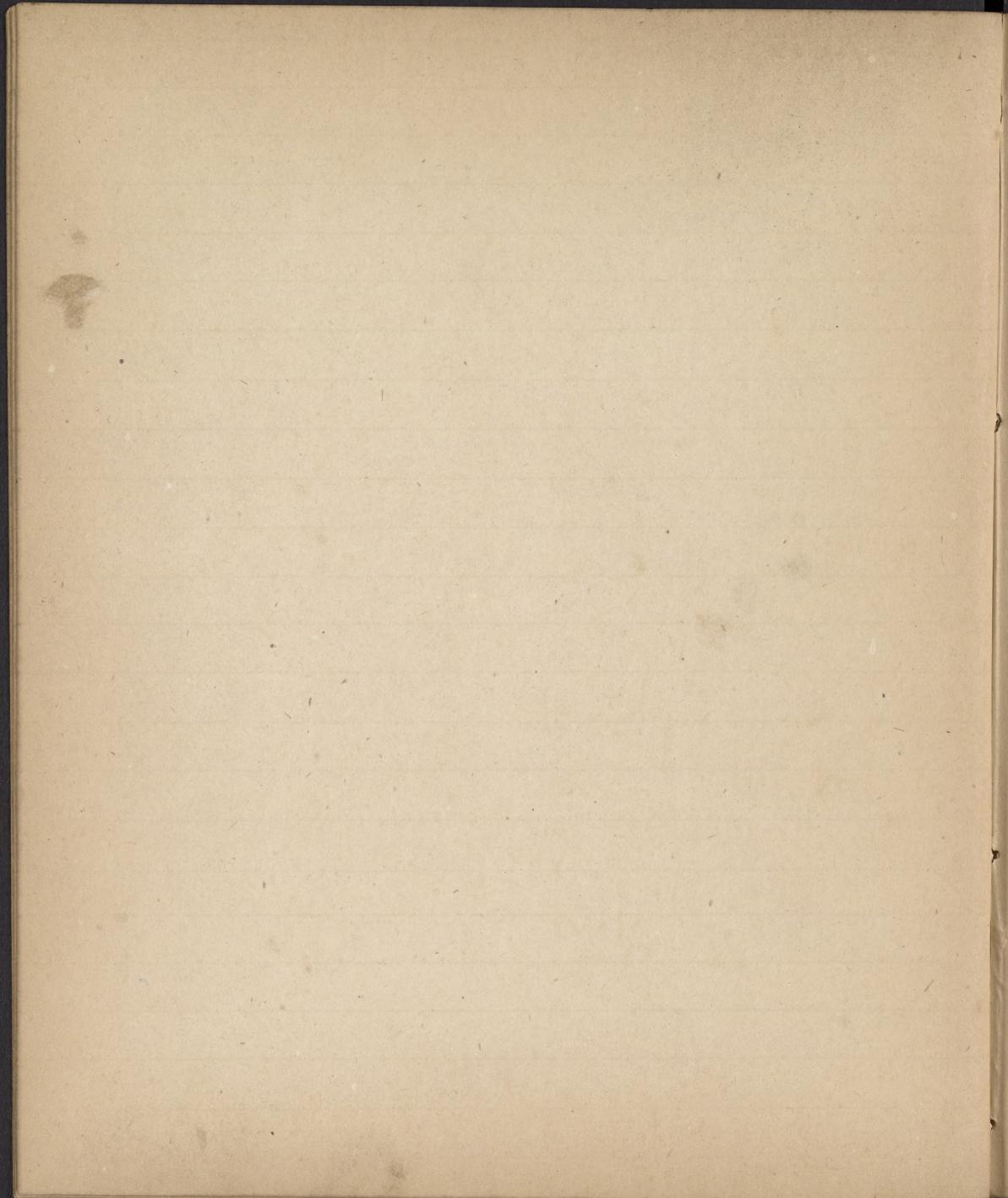
Dr J Chisolm Morris

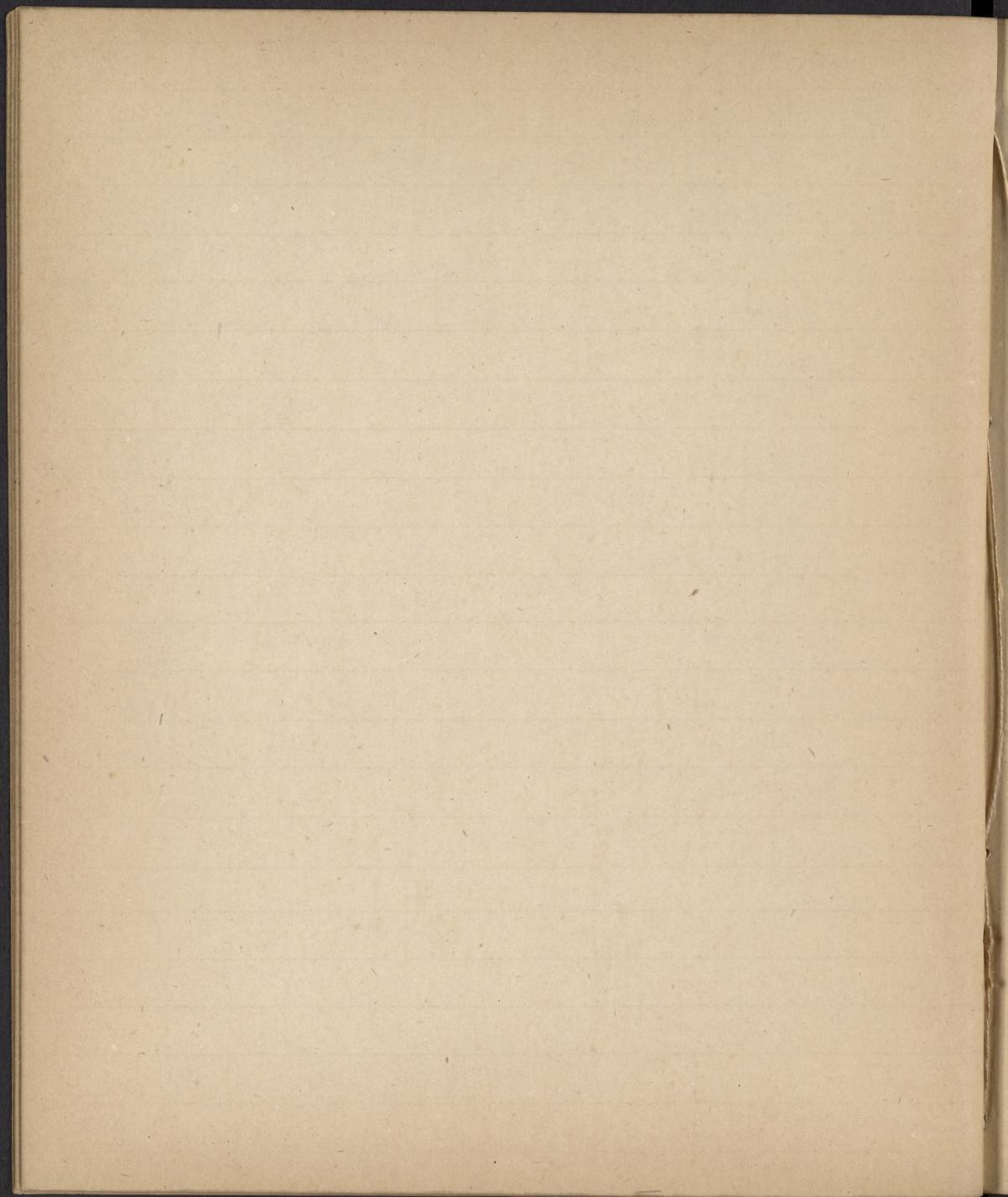
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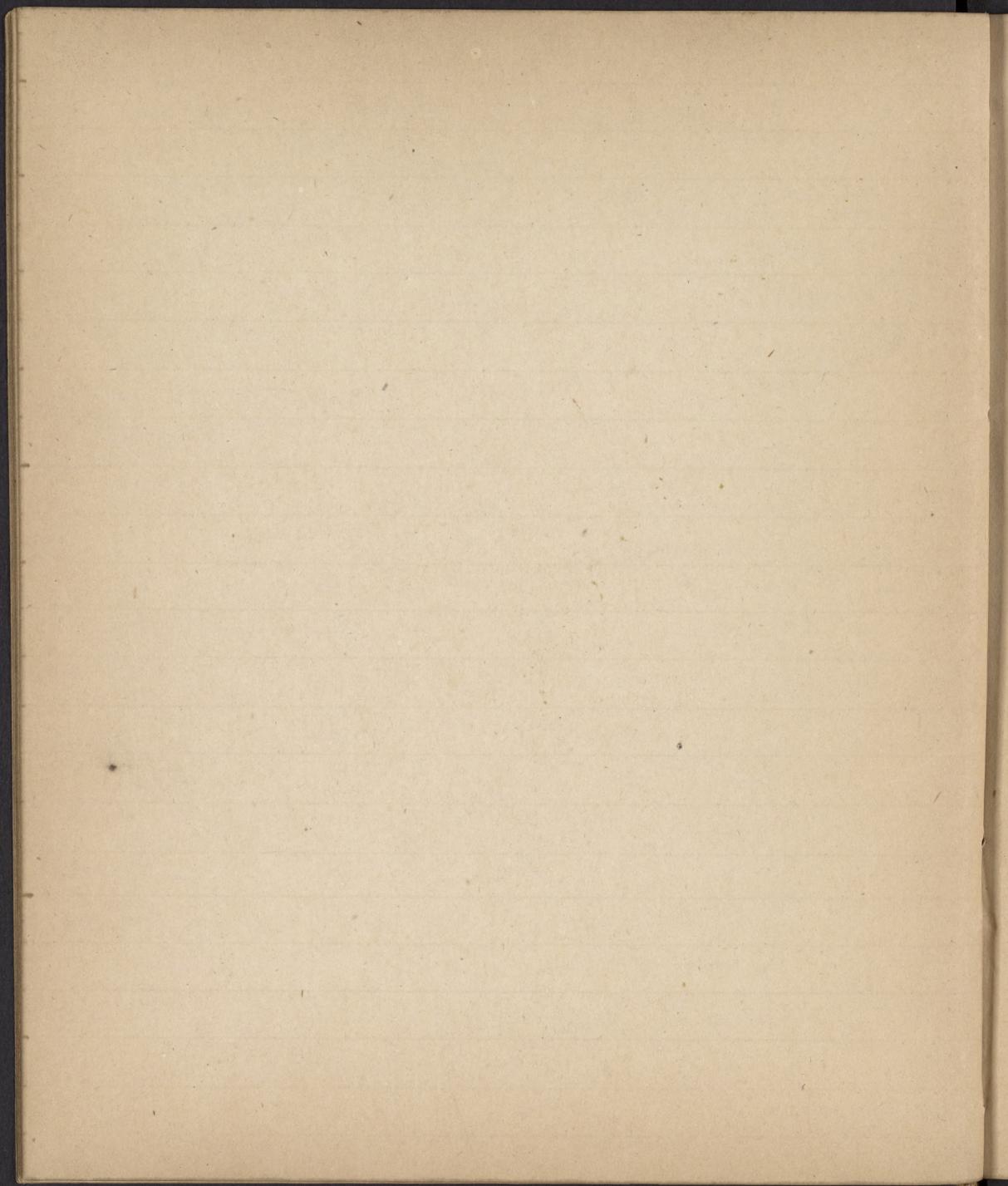
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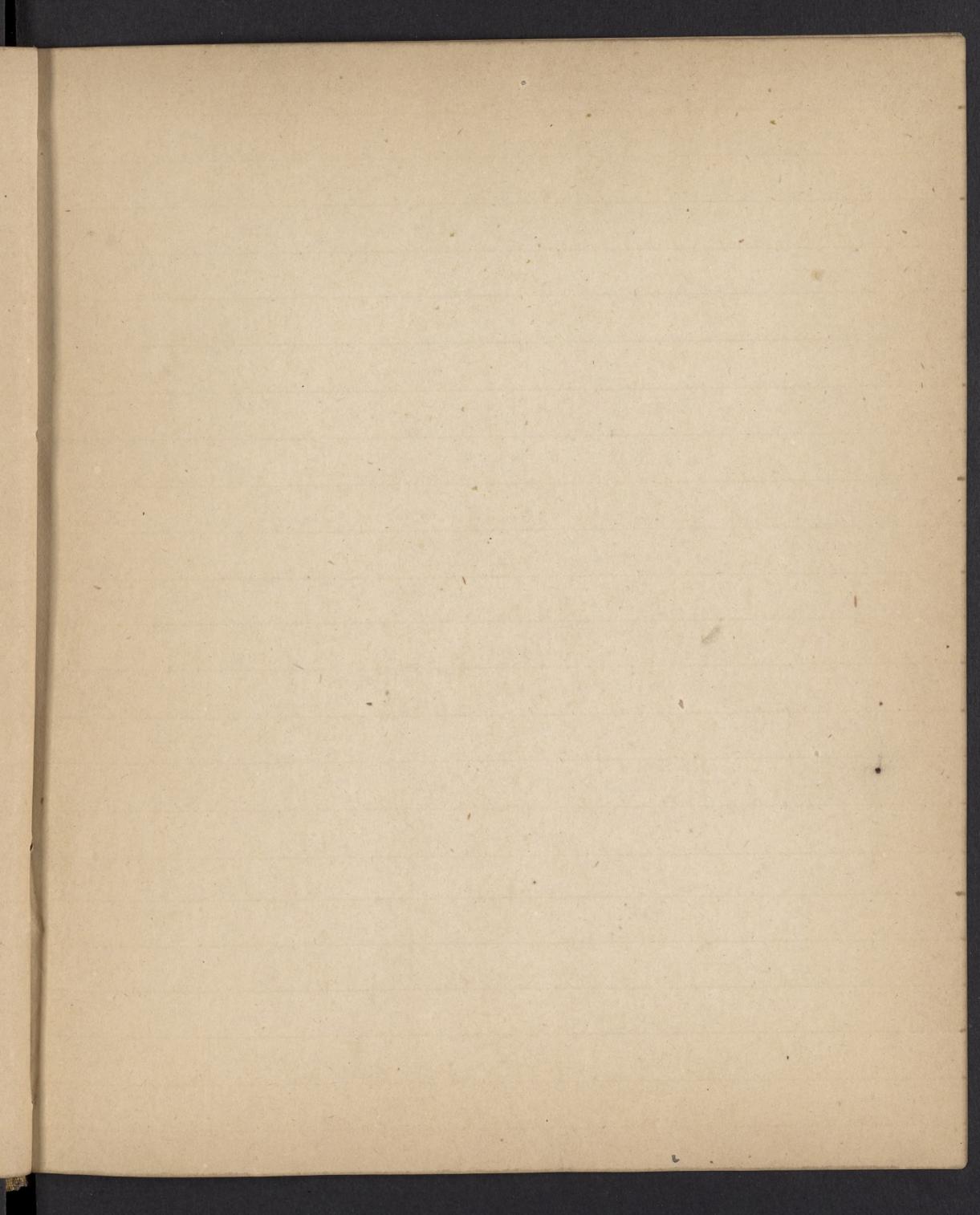


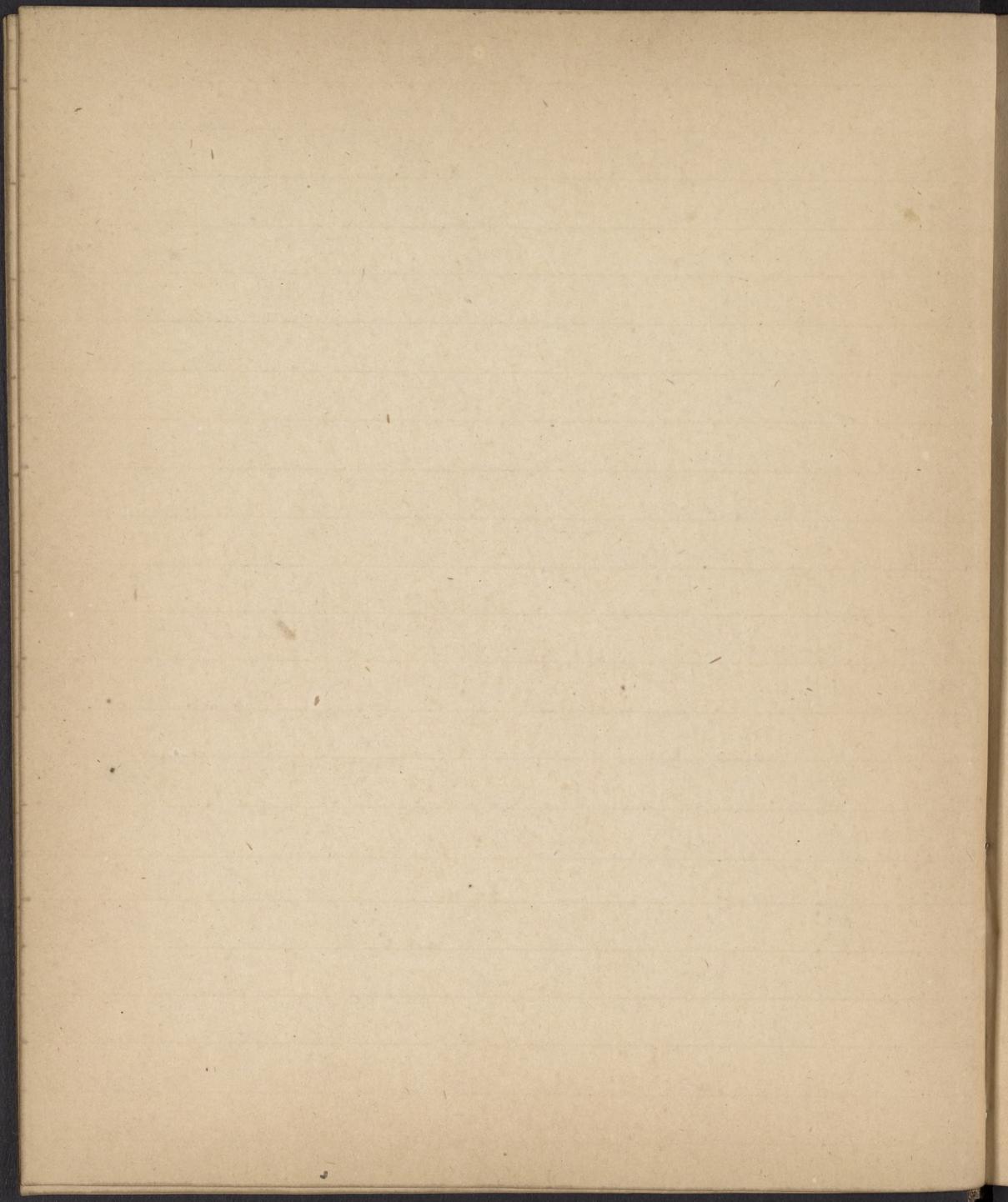


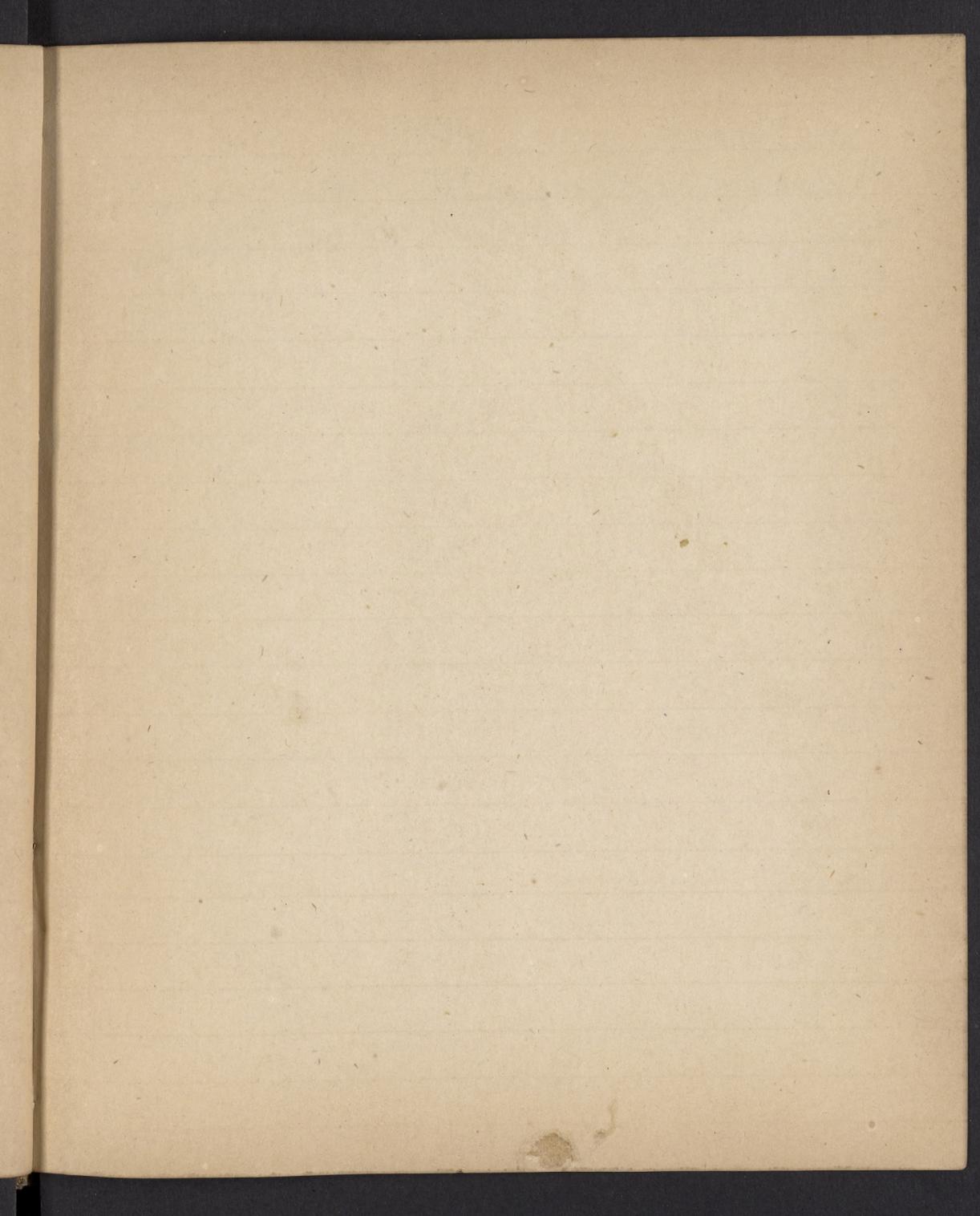


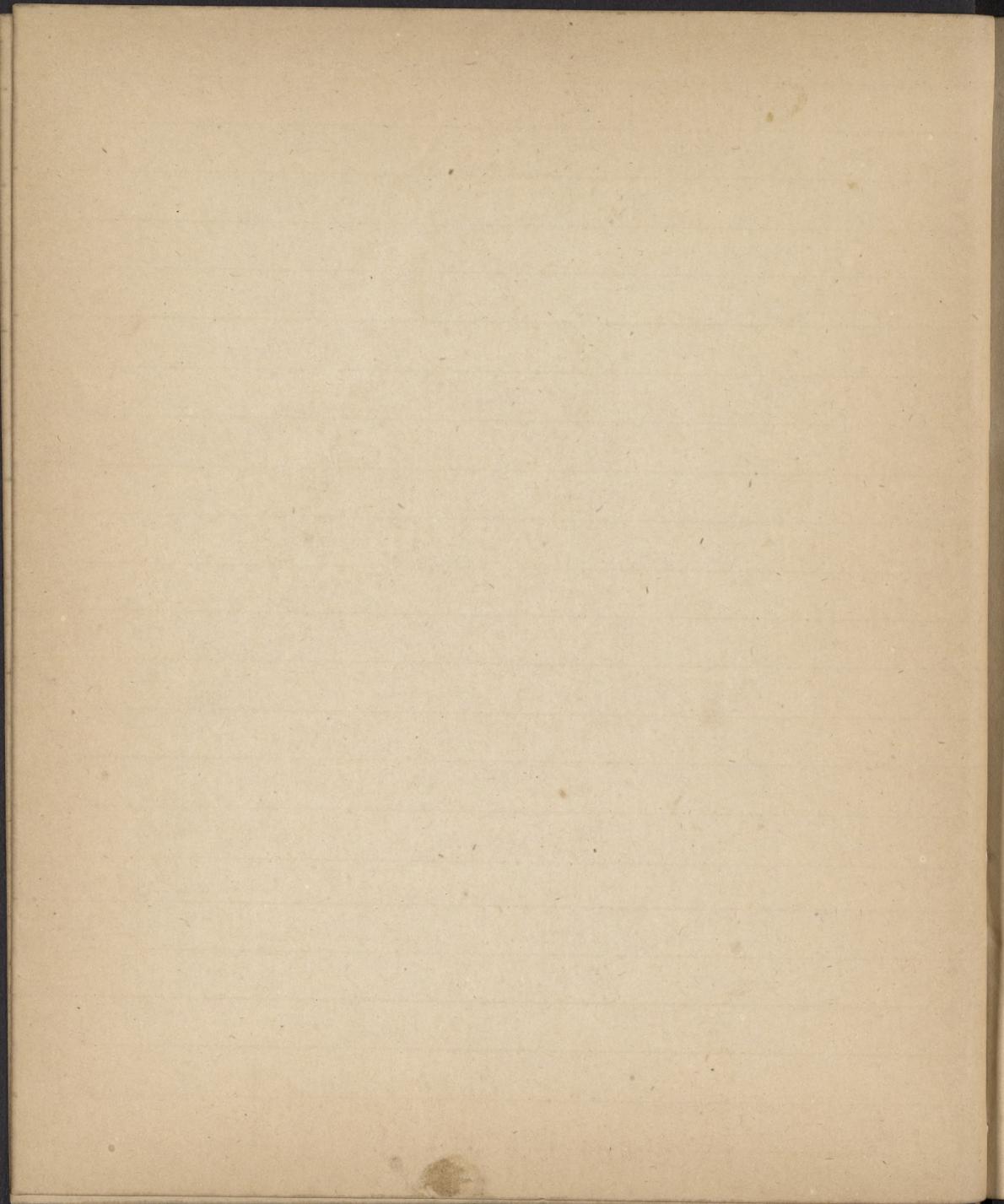


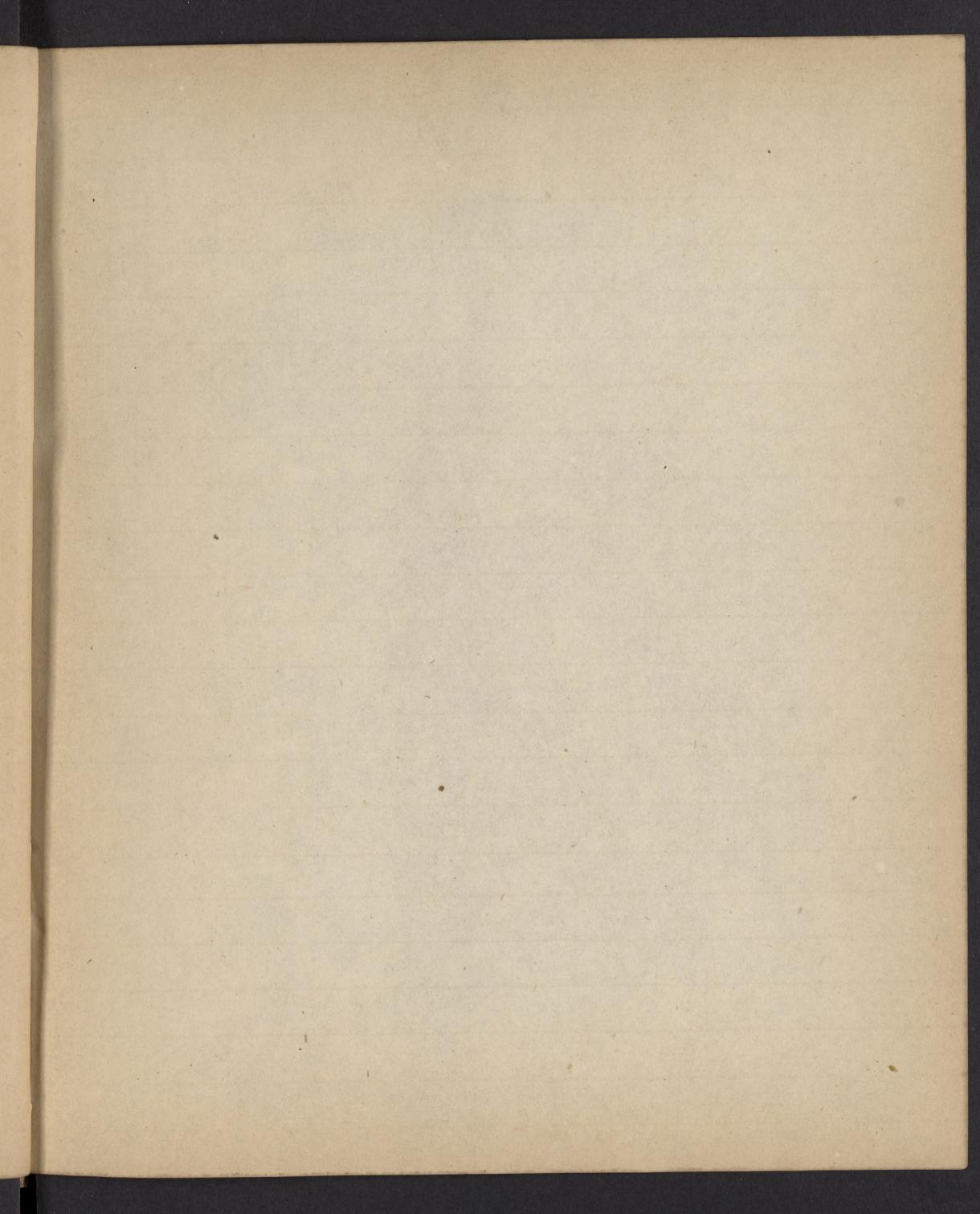


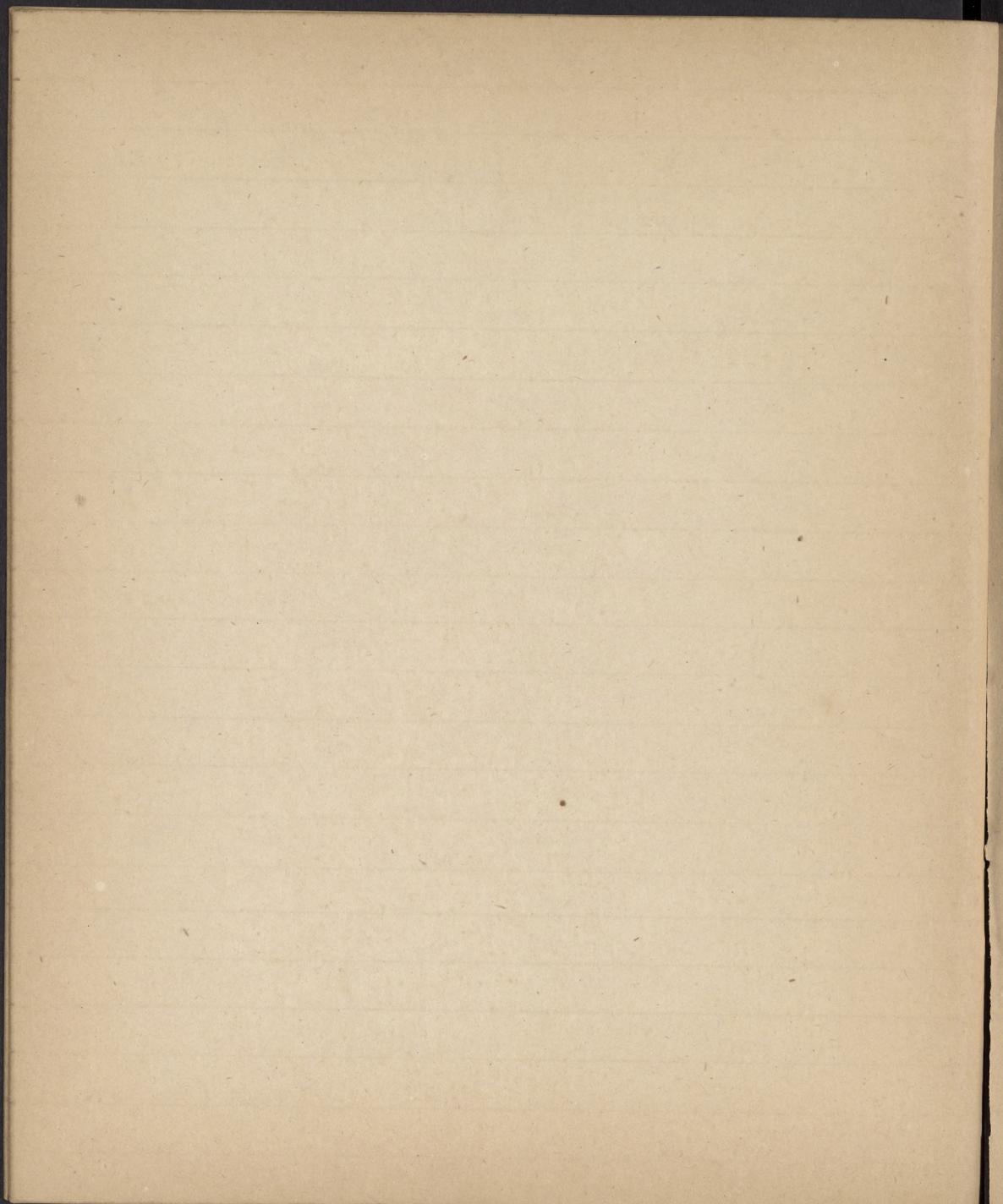


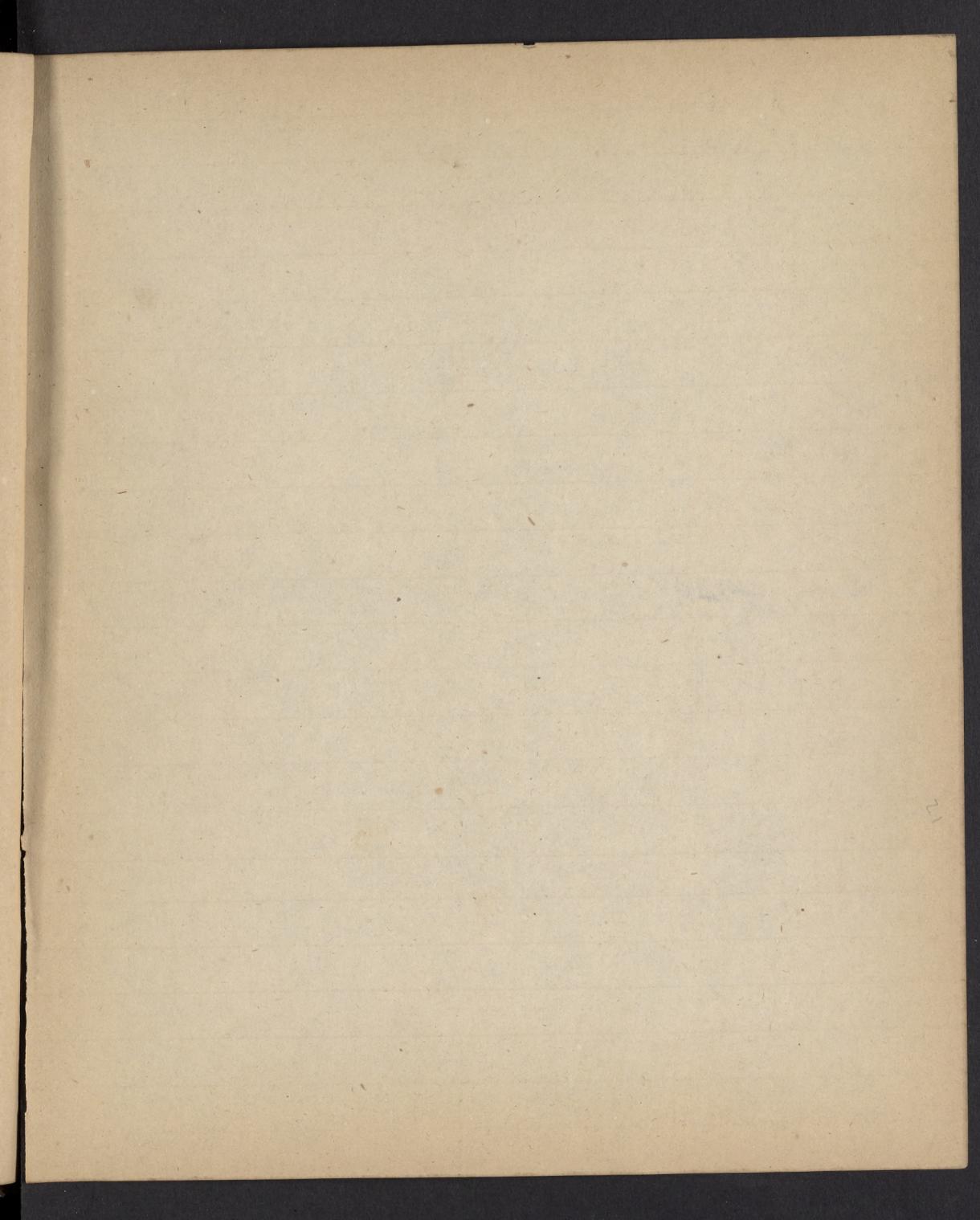


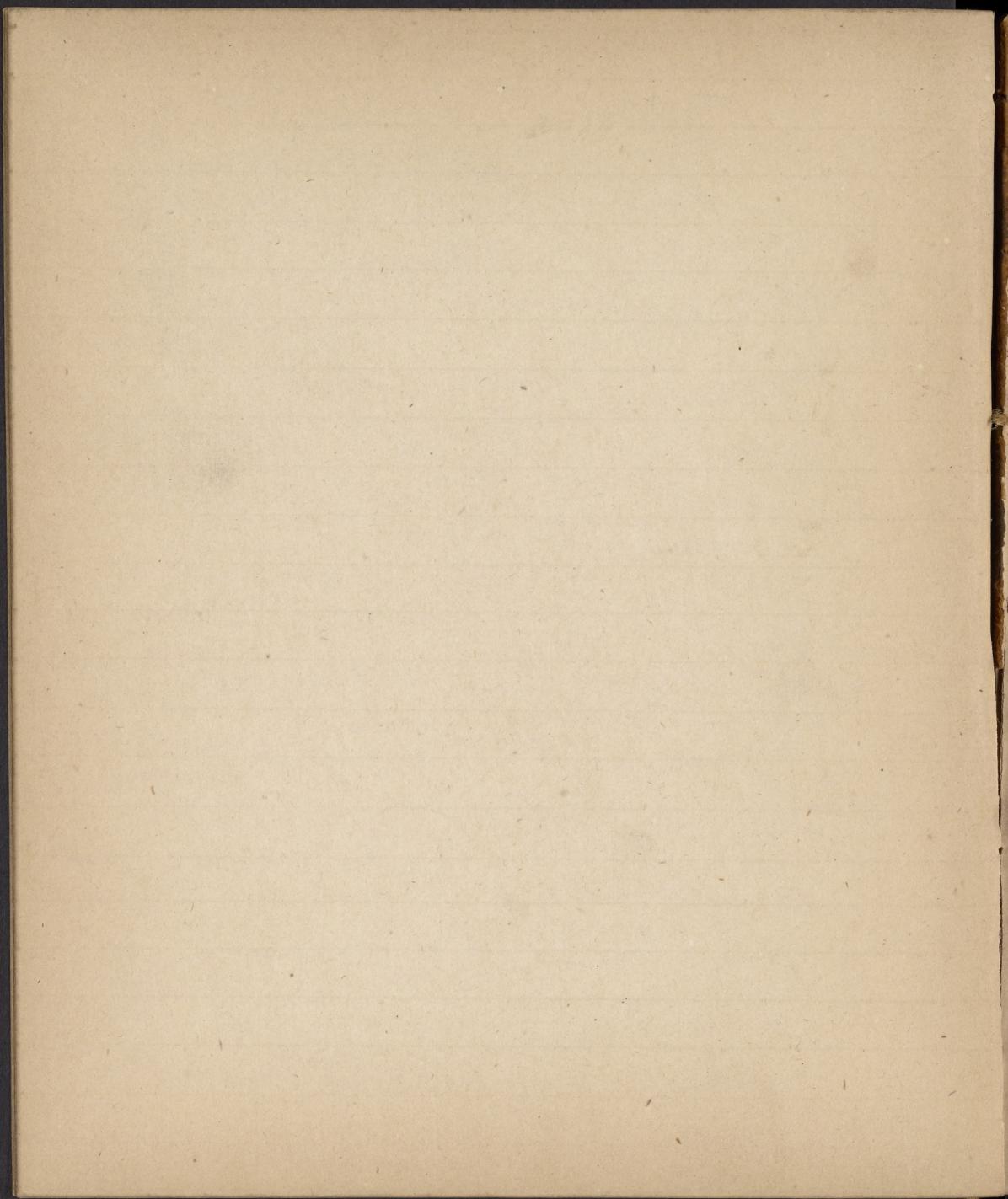


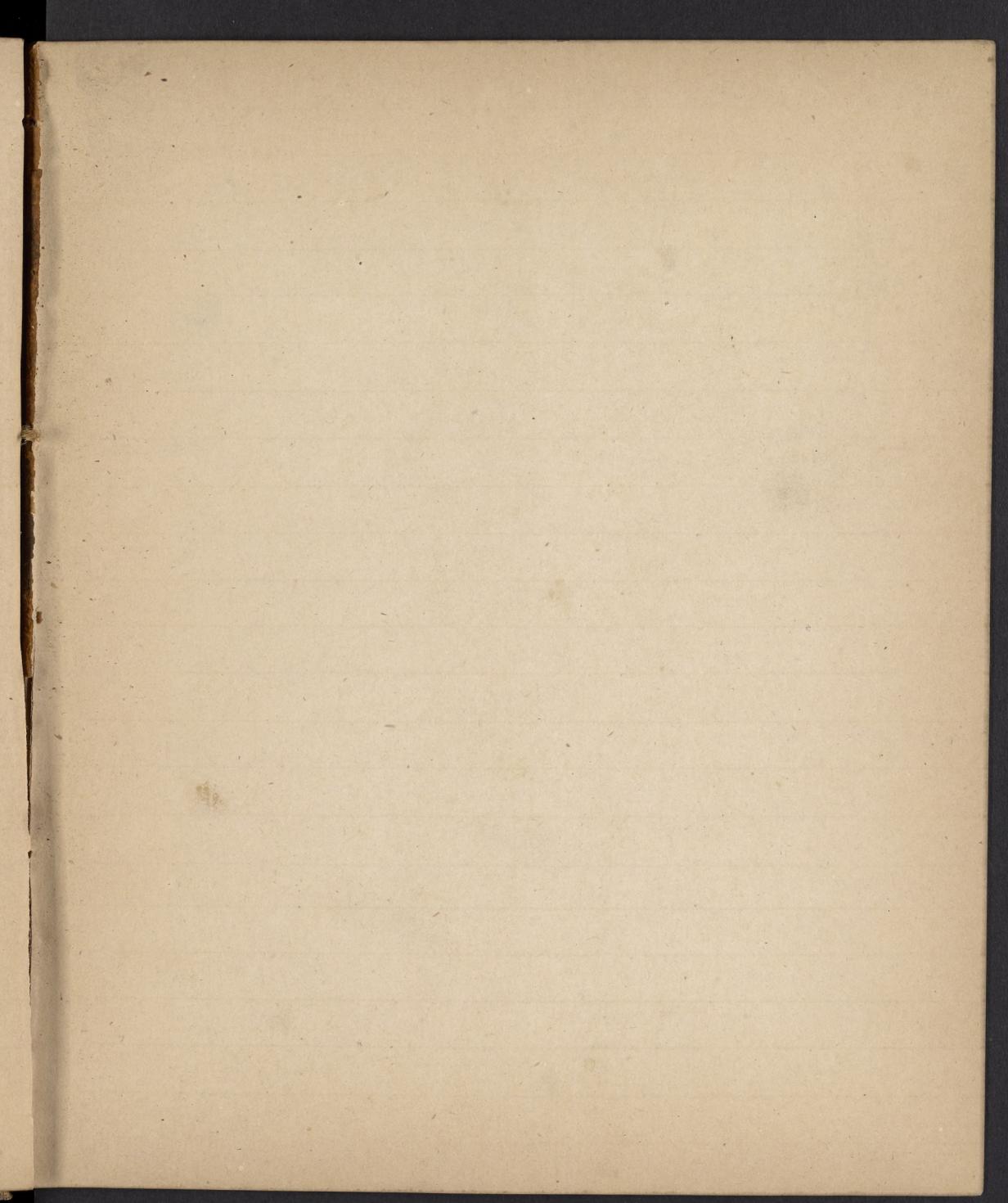


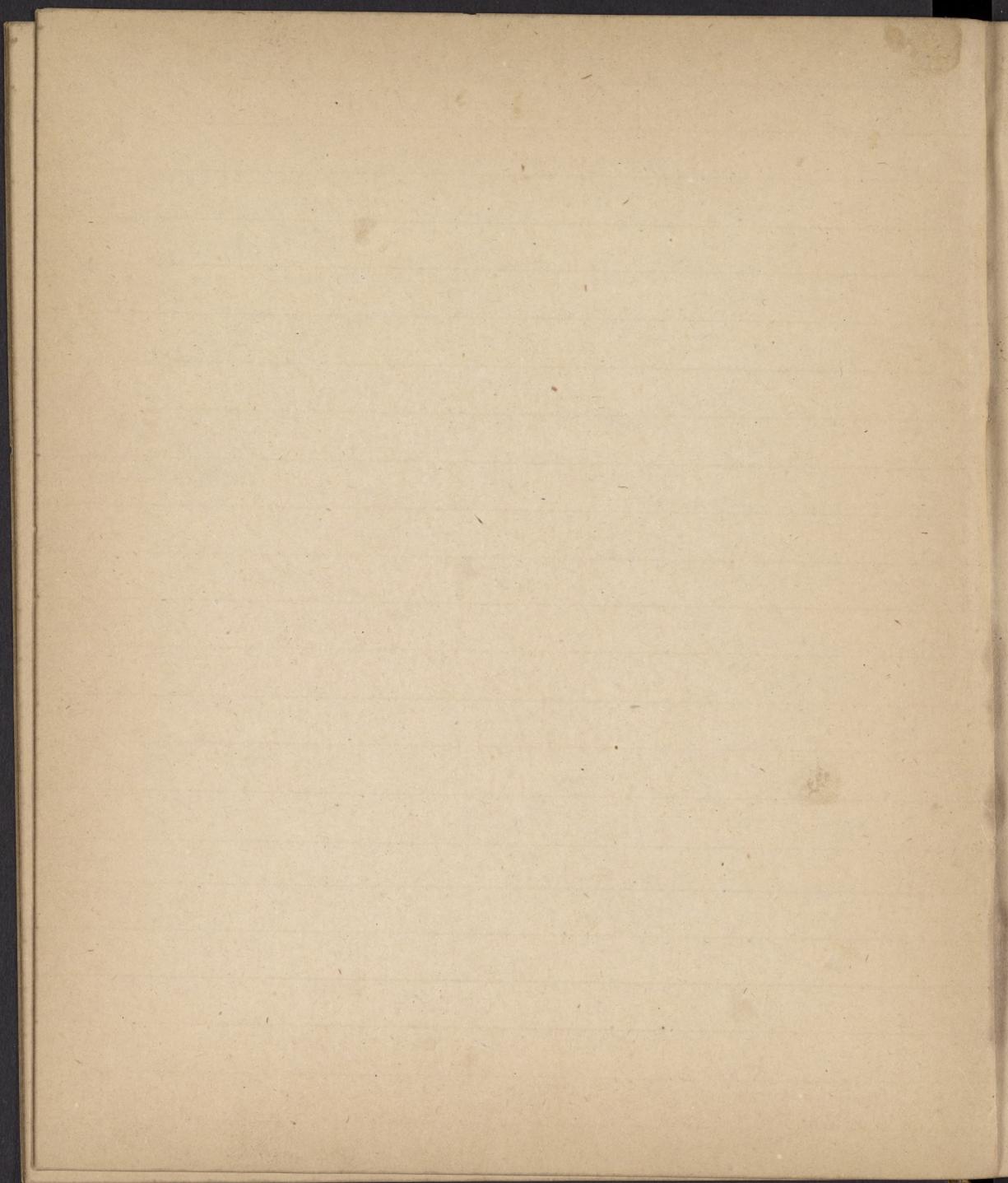


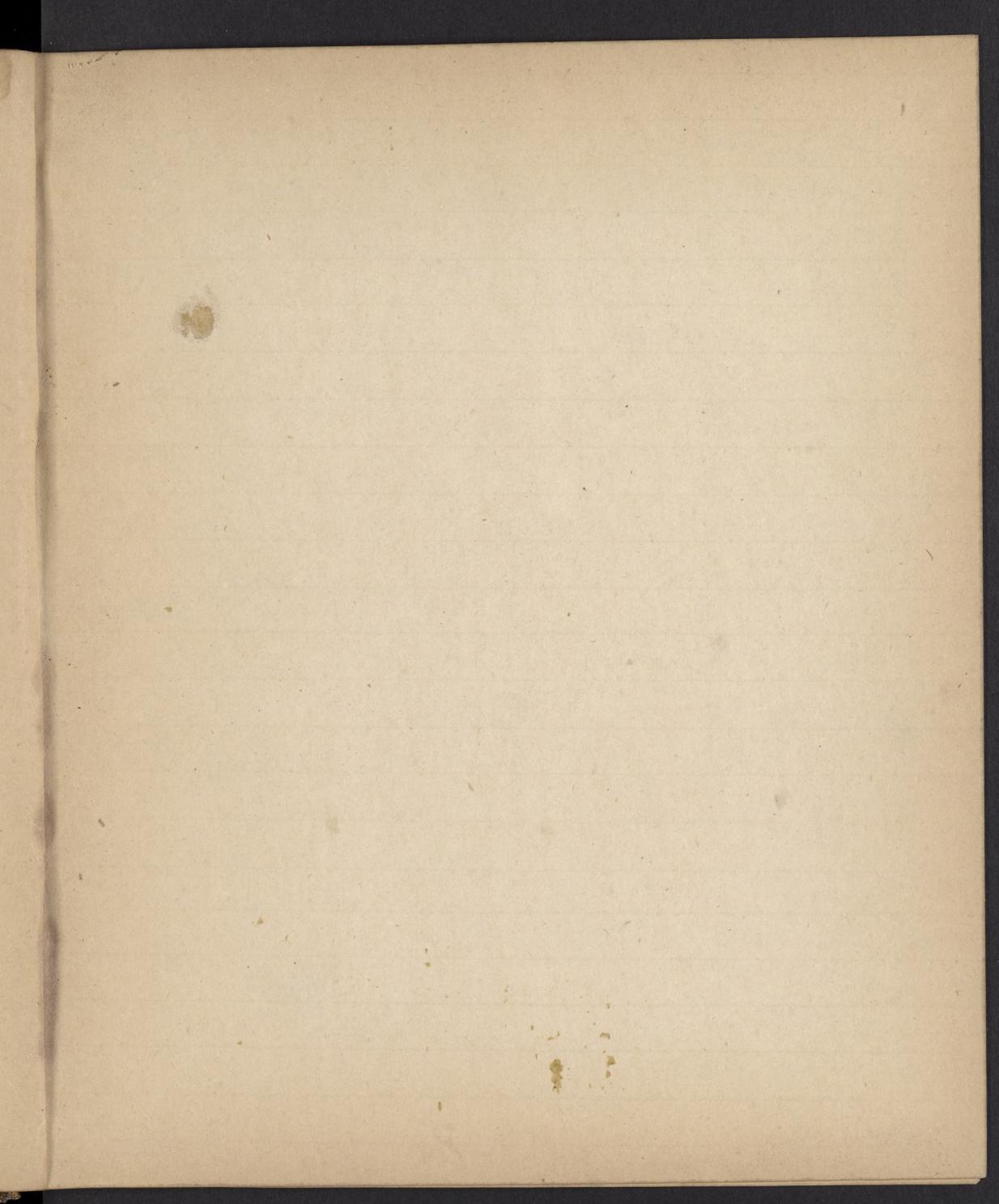


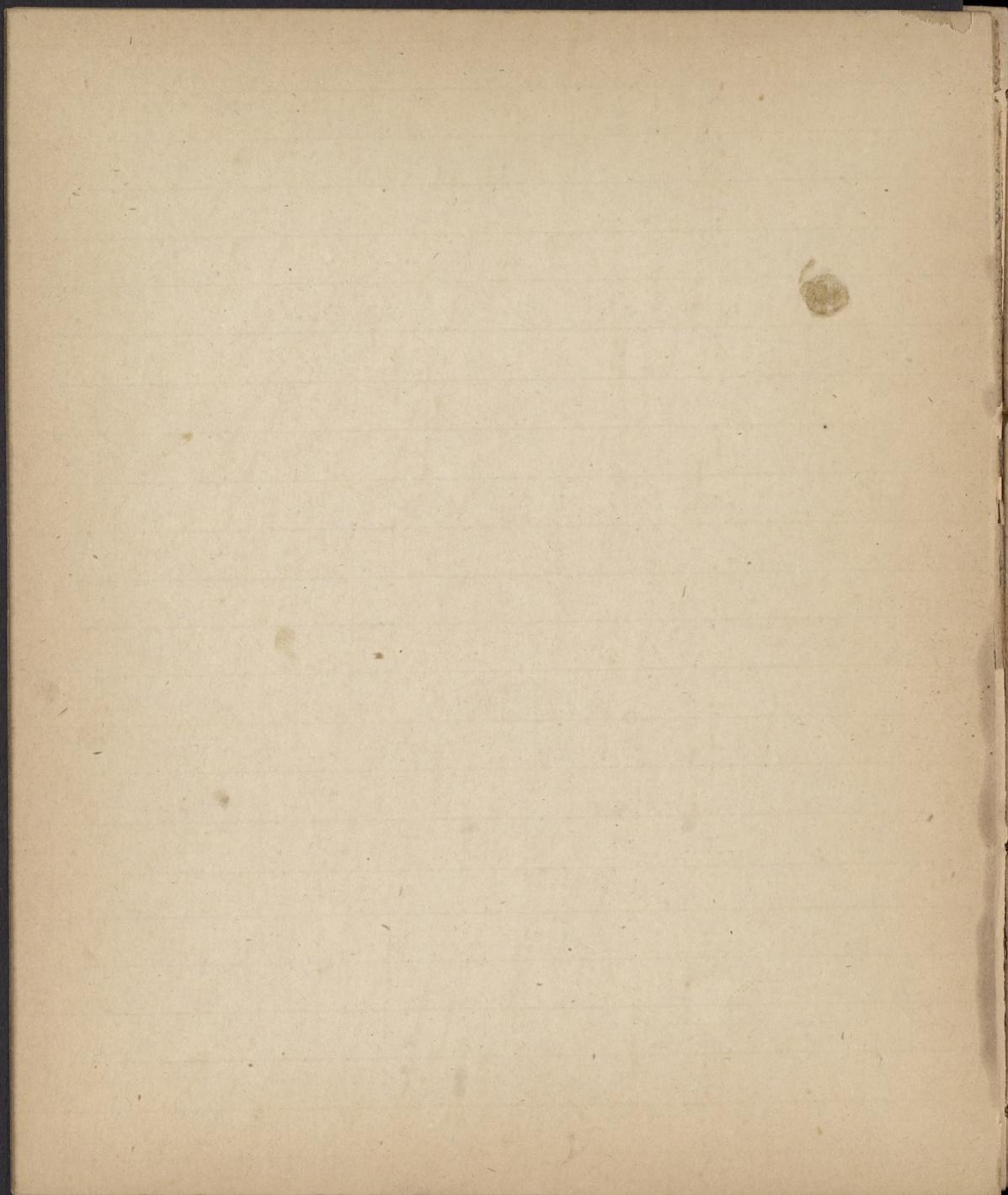


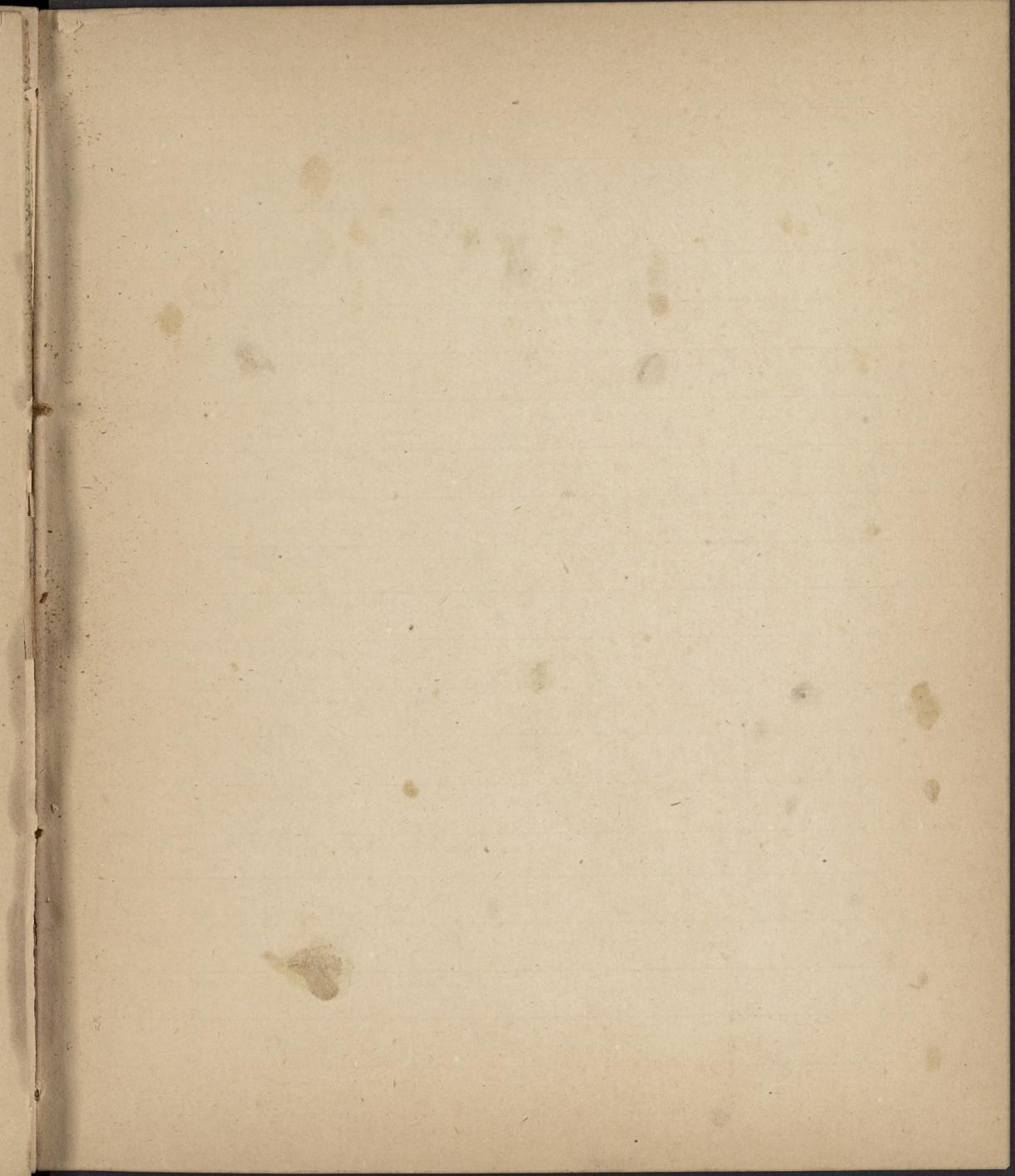


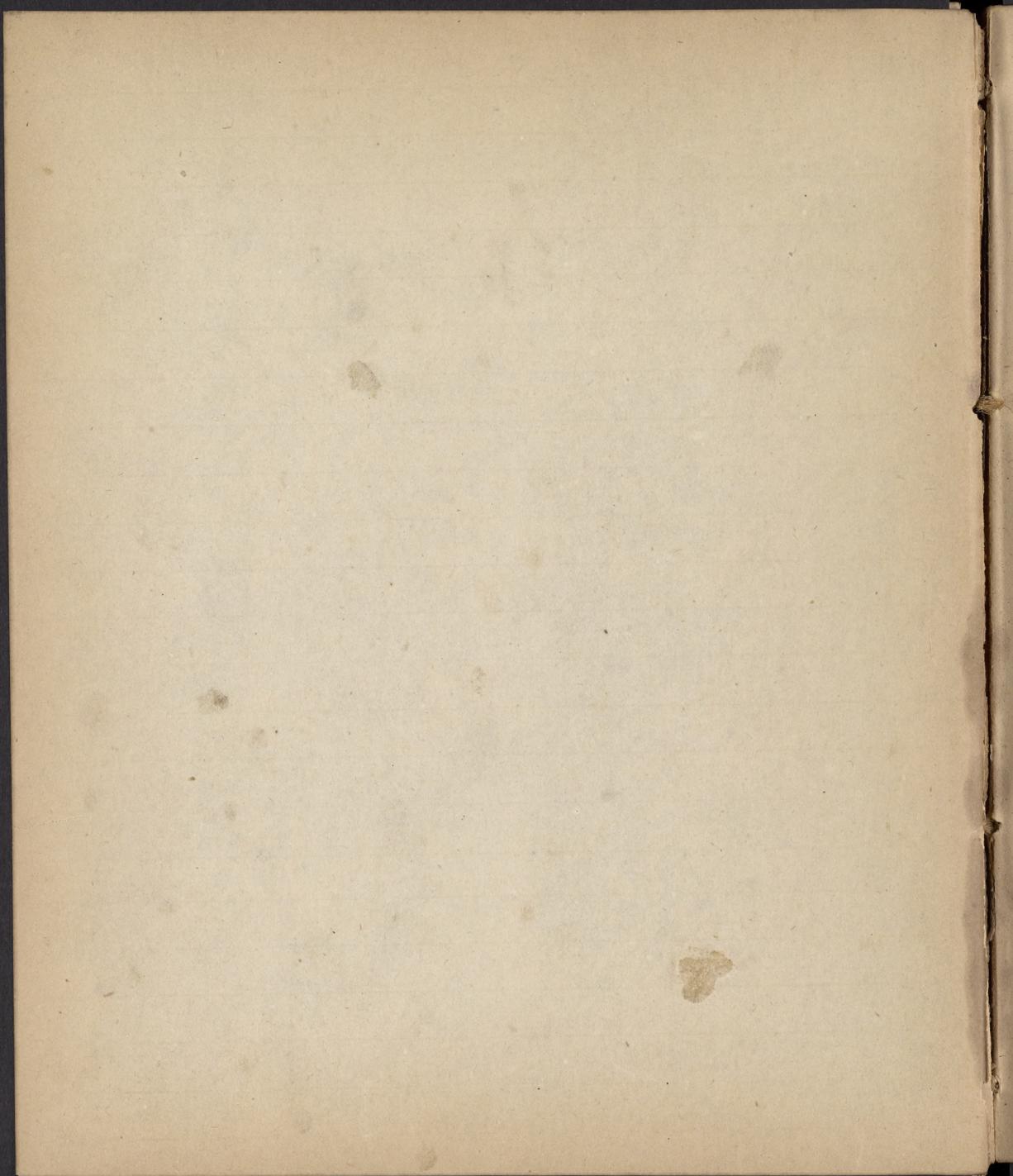


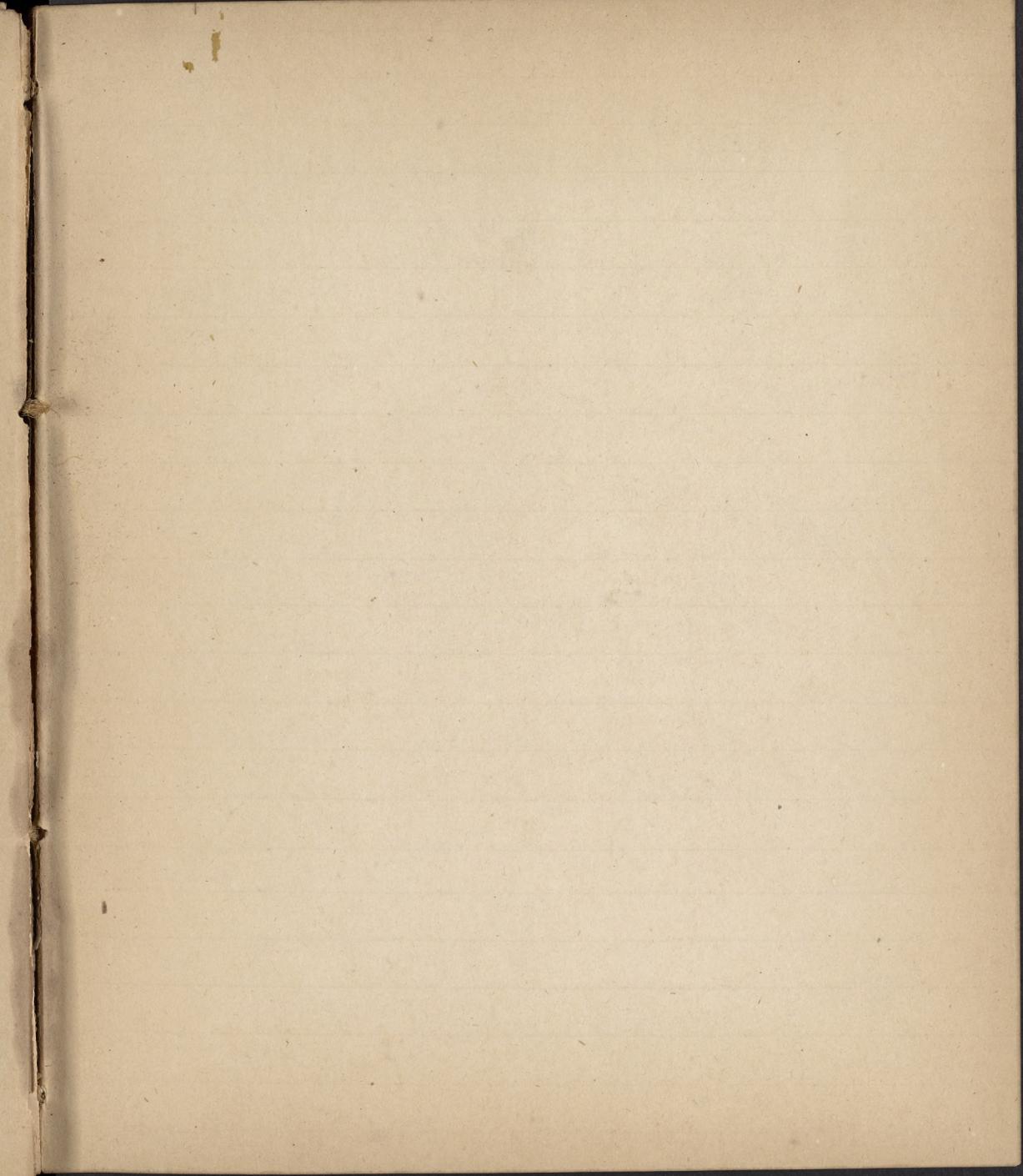


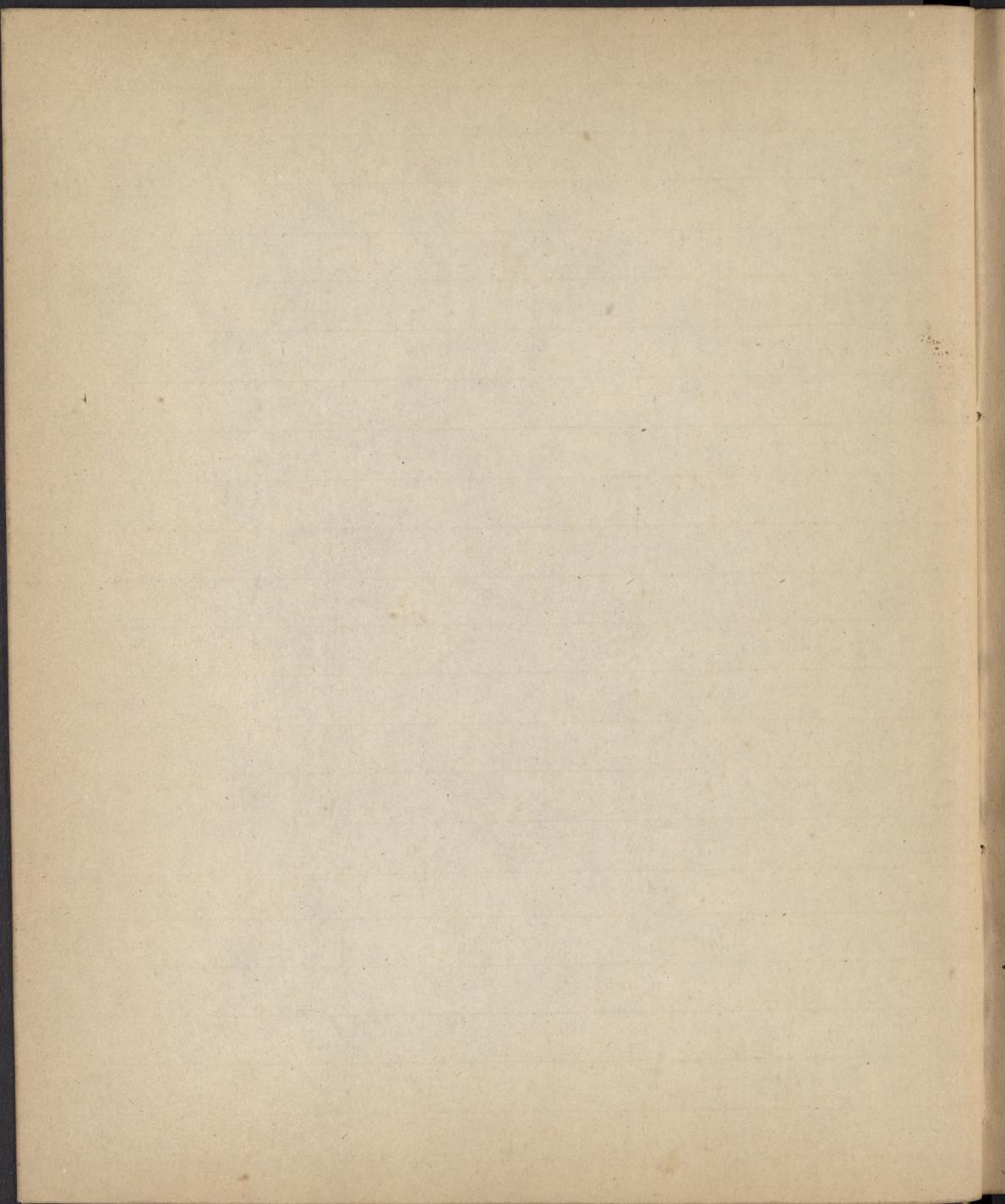


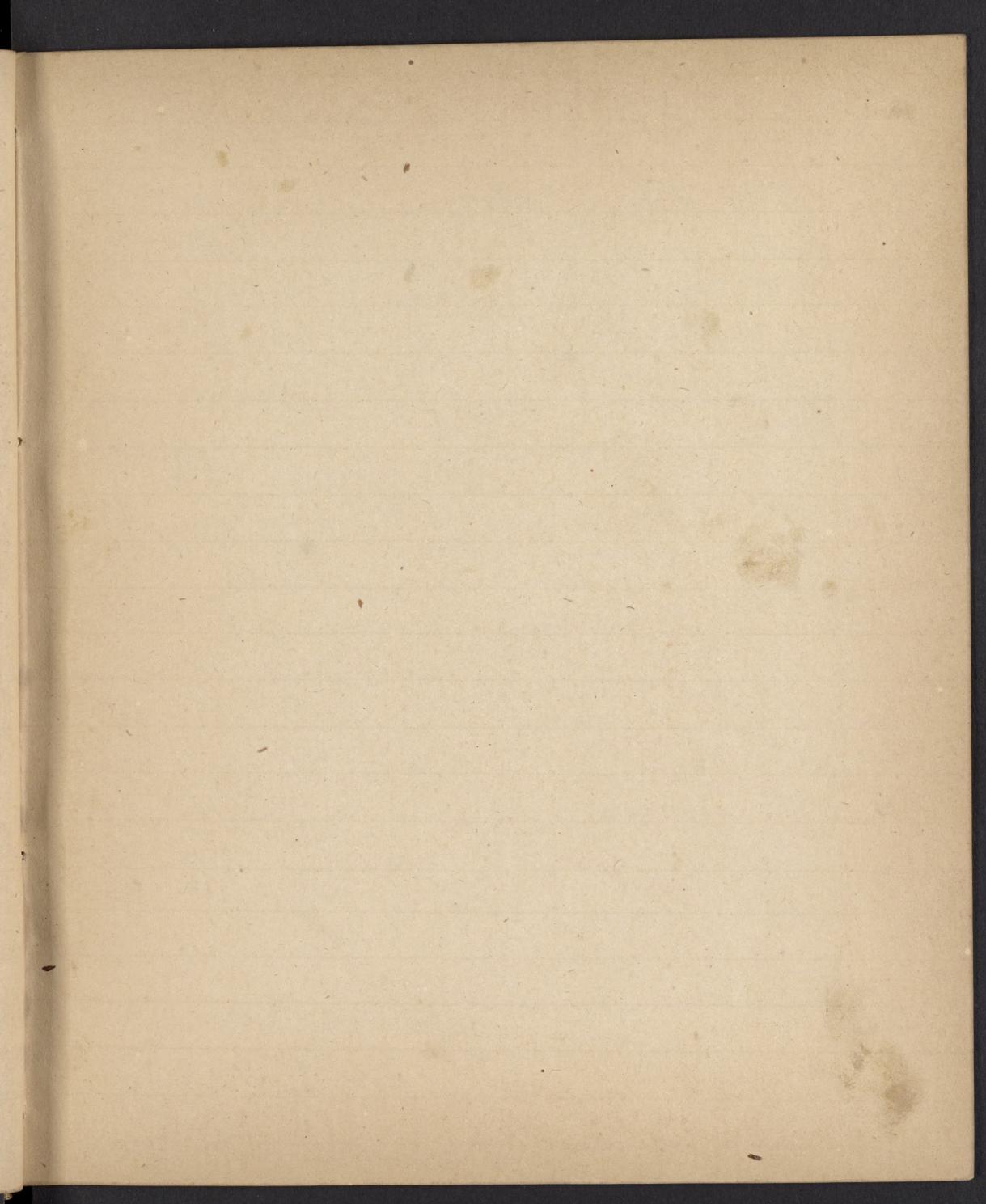


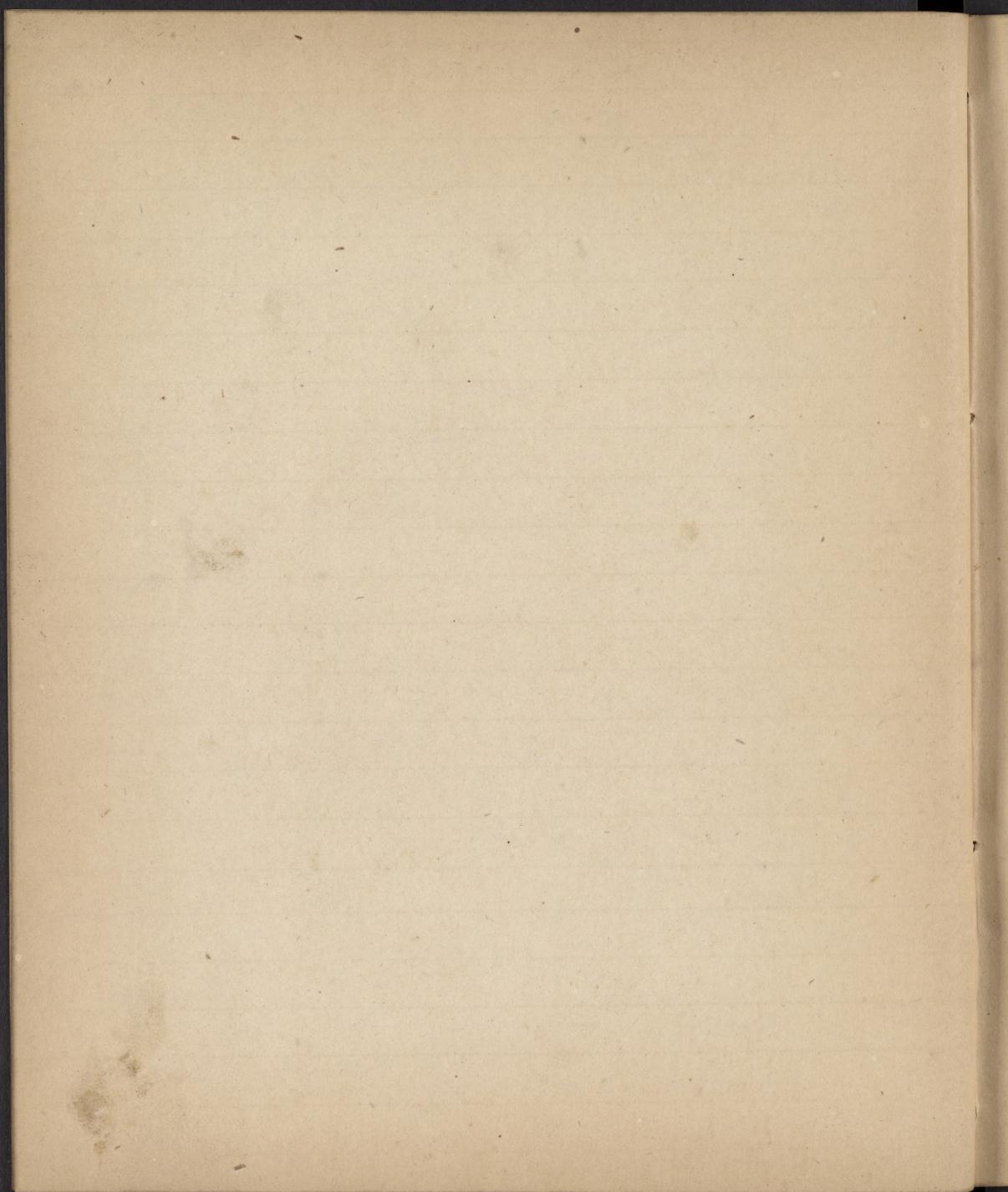


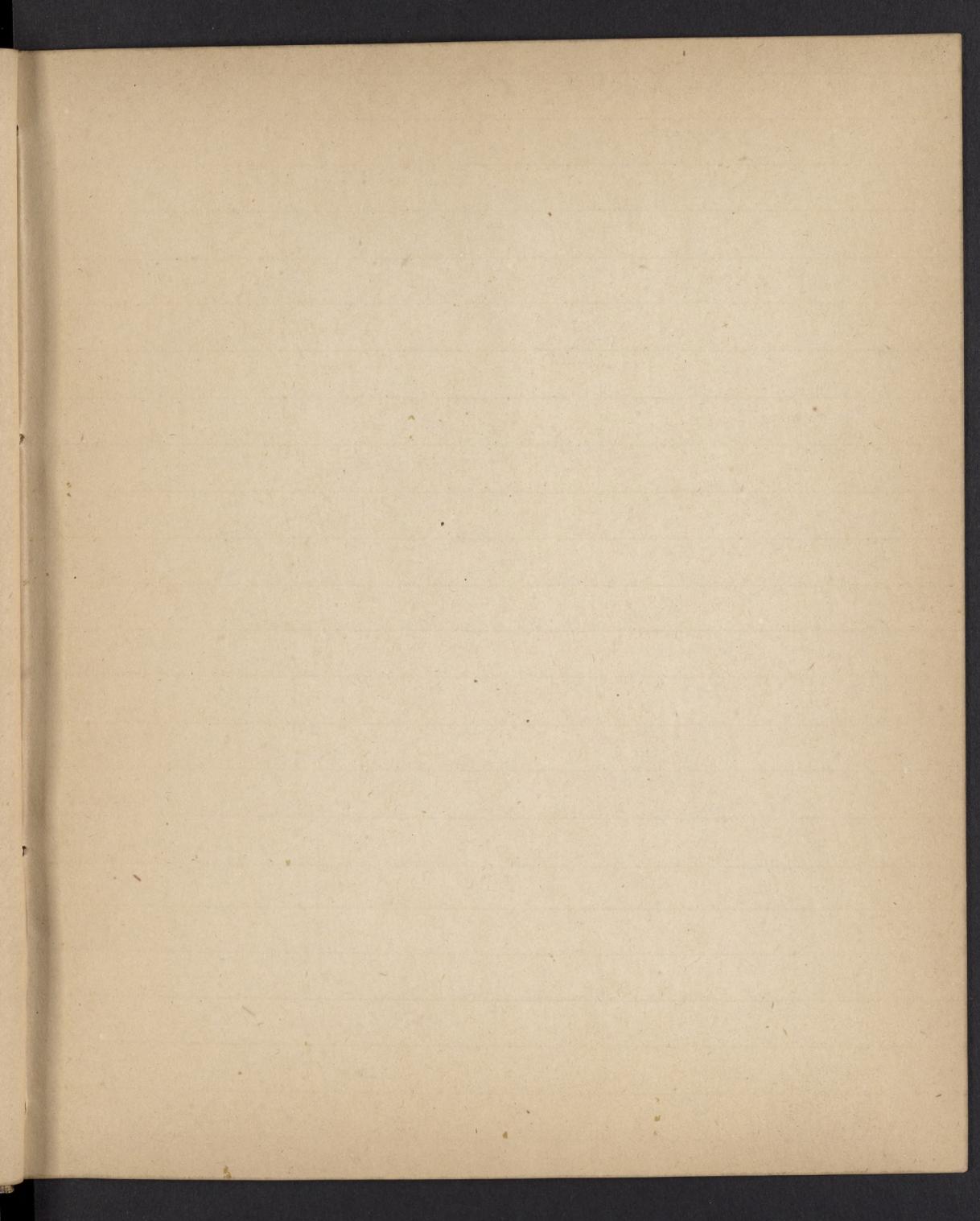


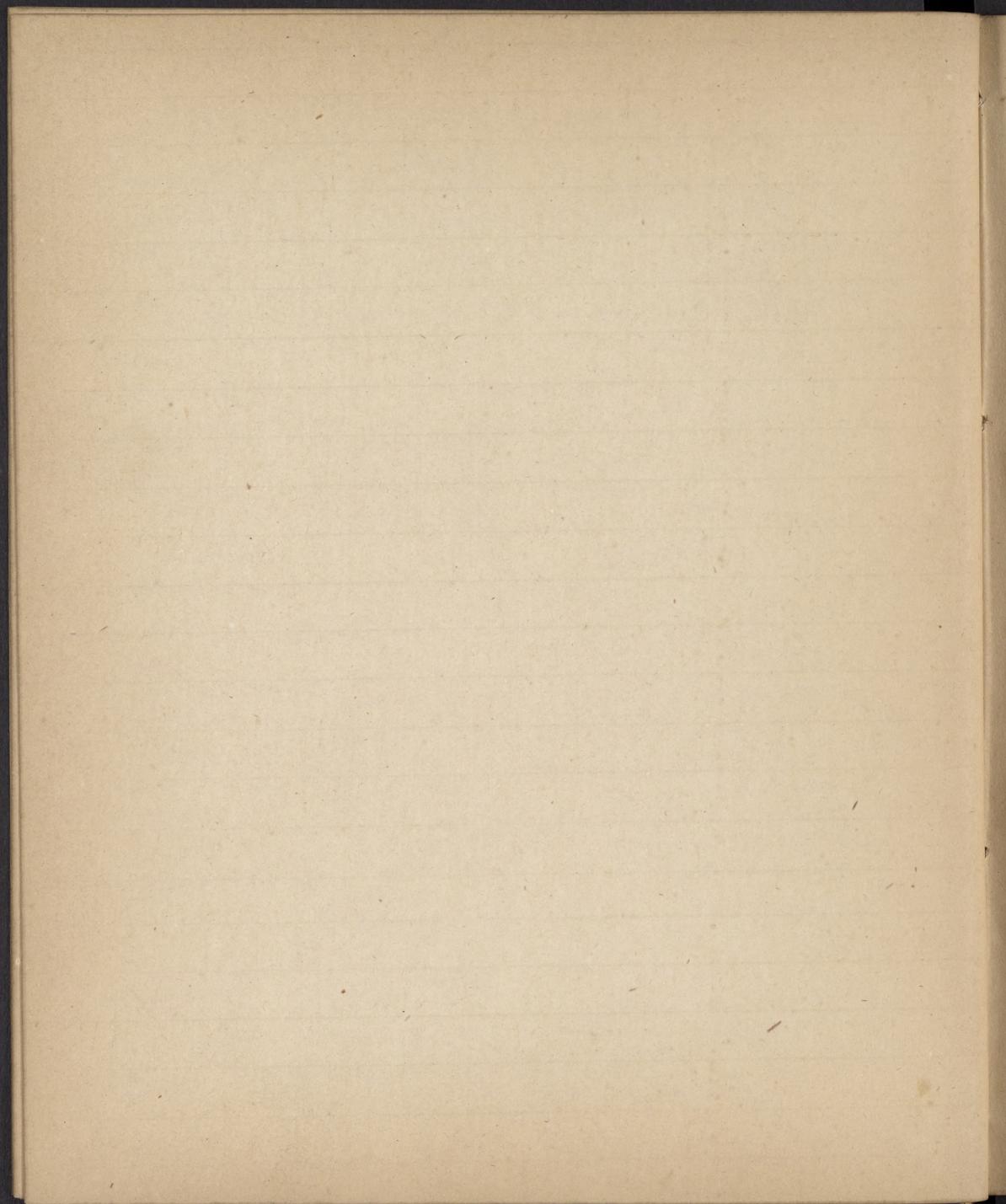


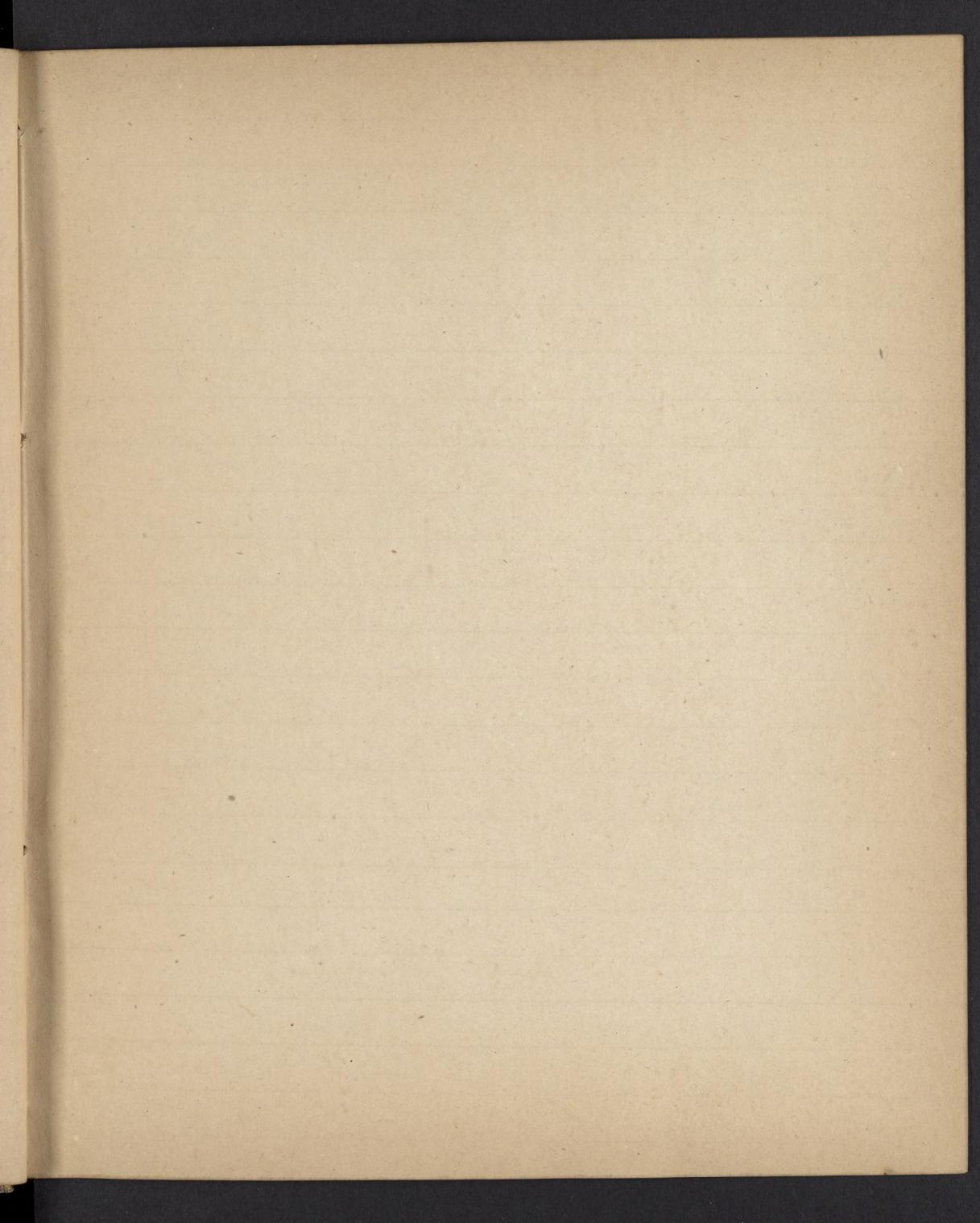


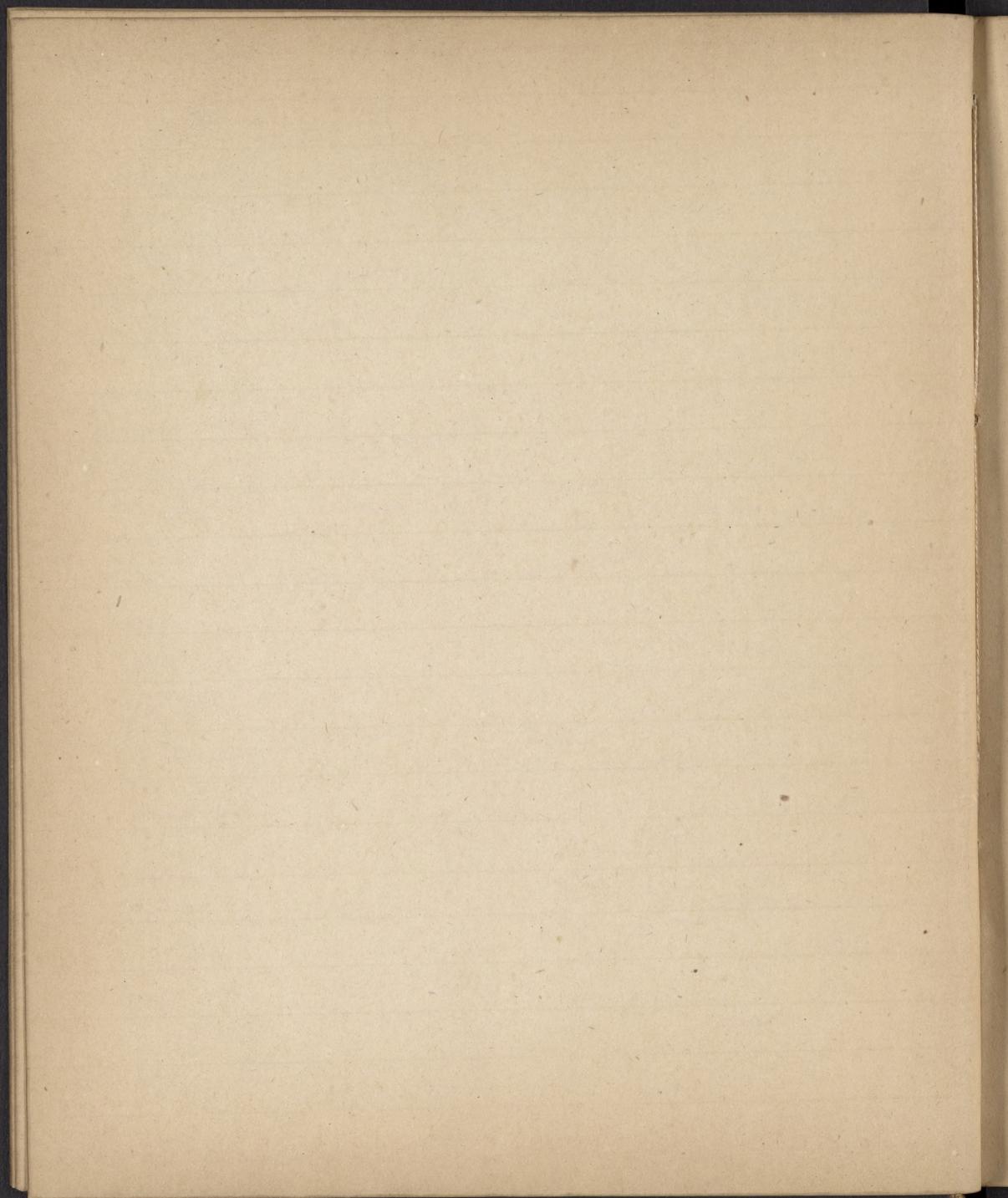


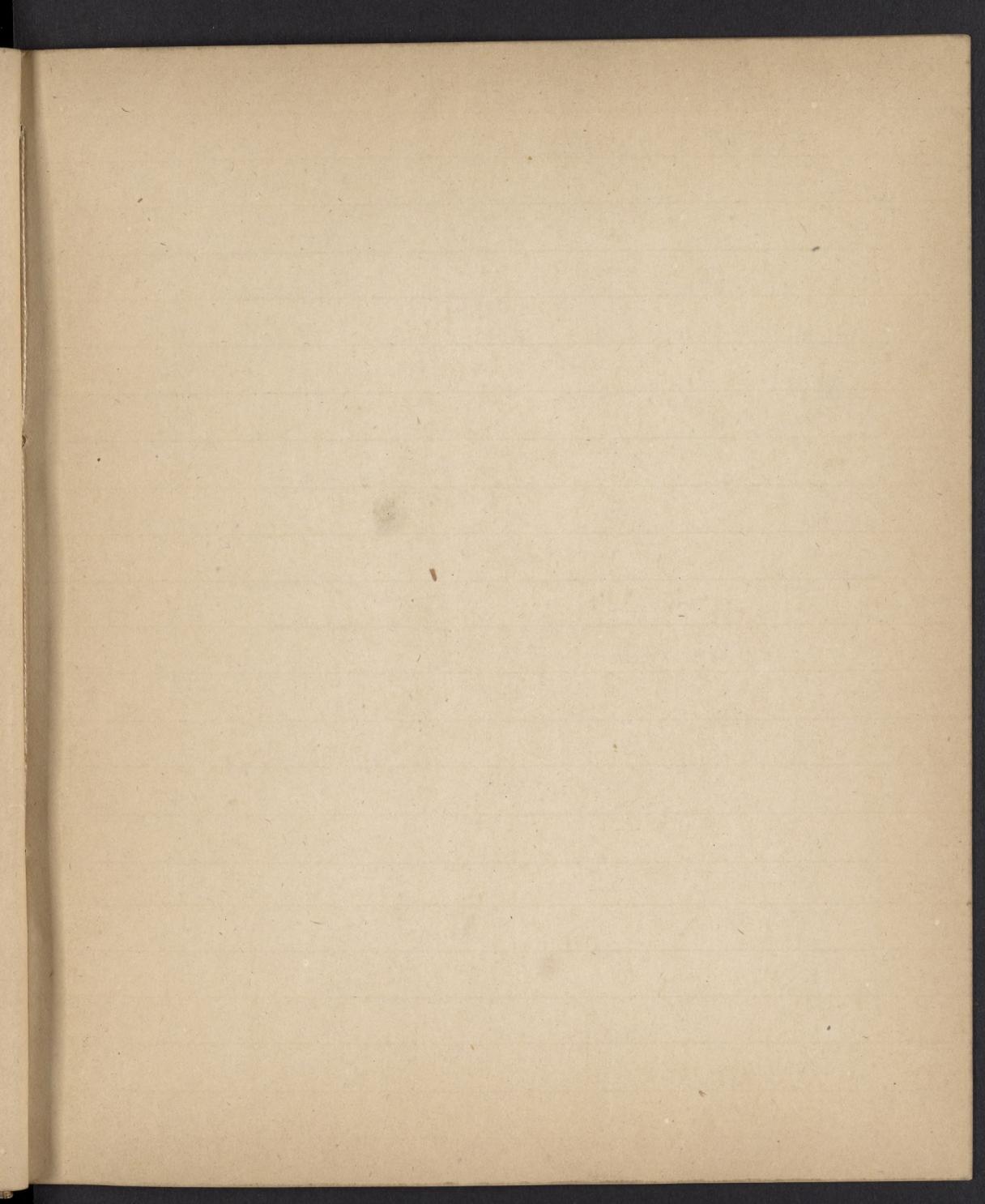


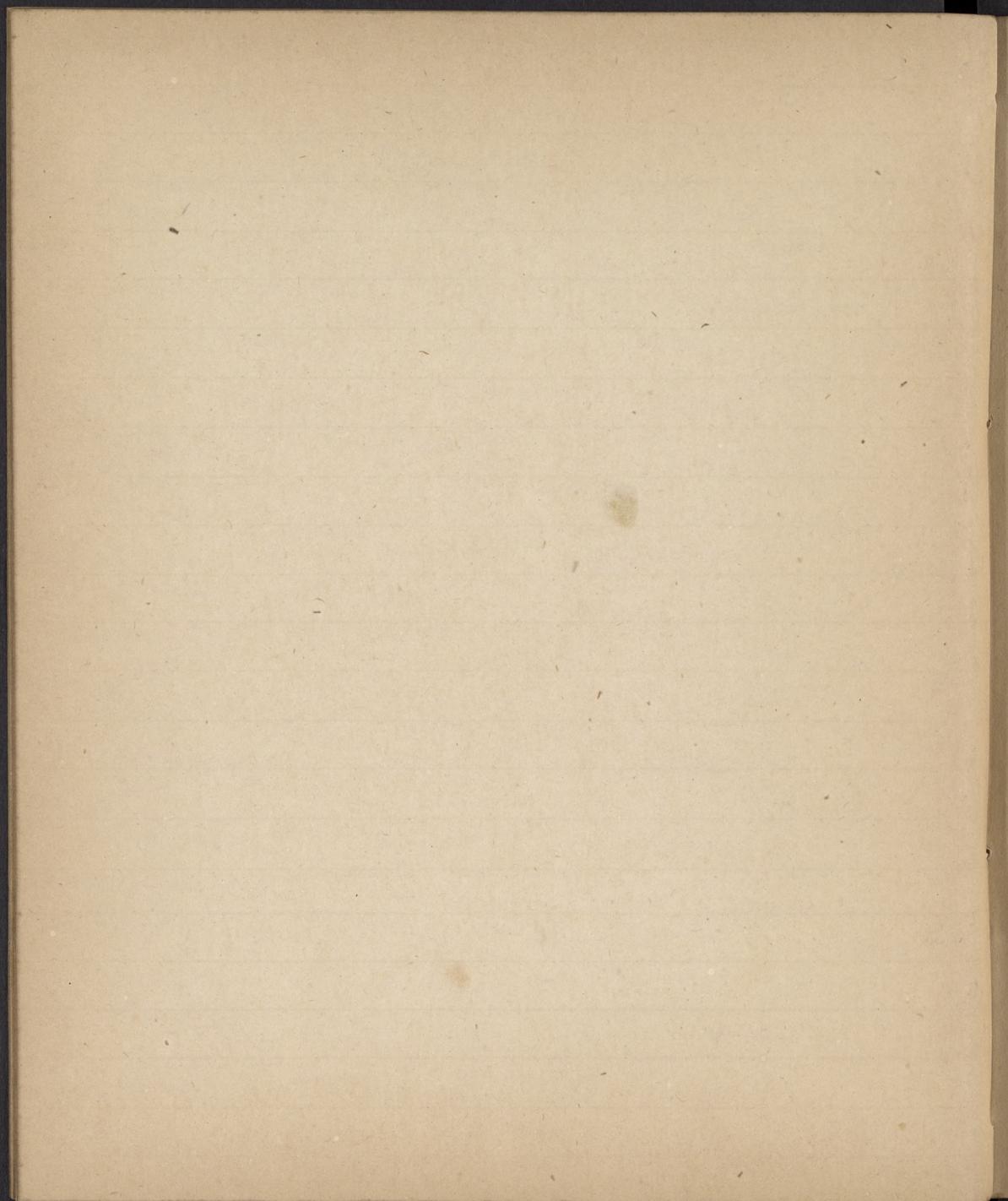


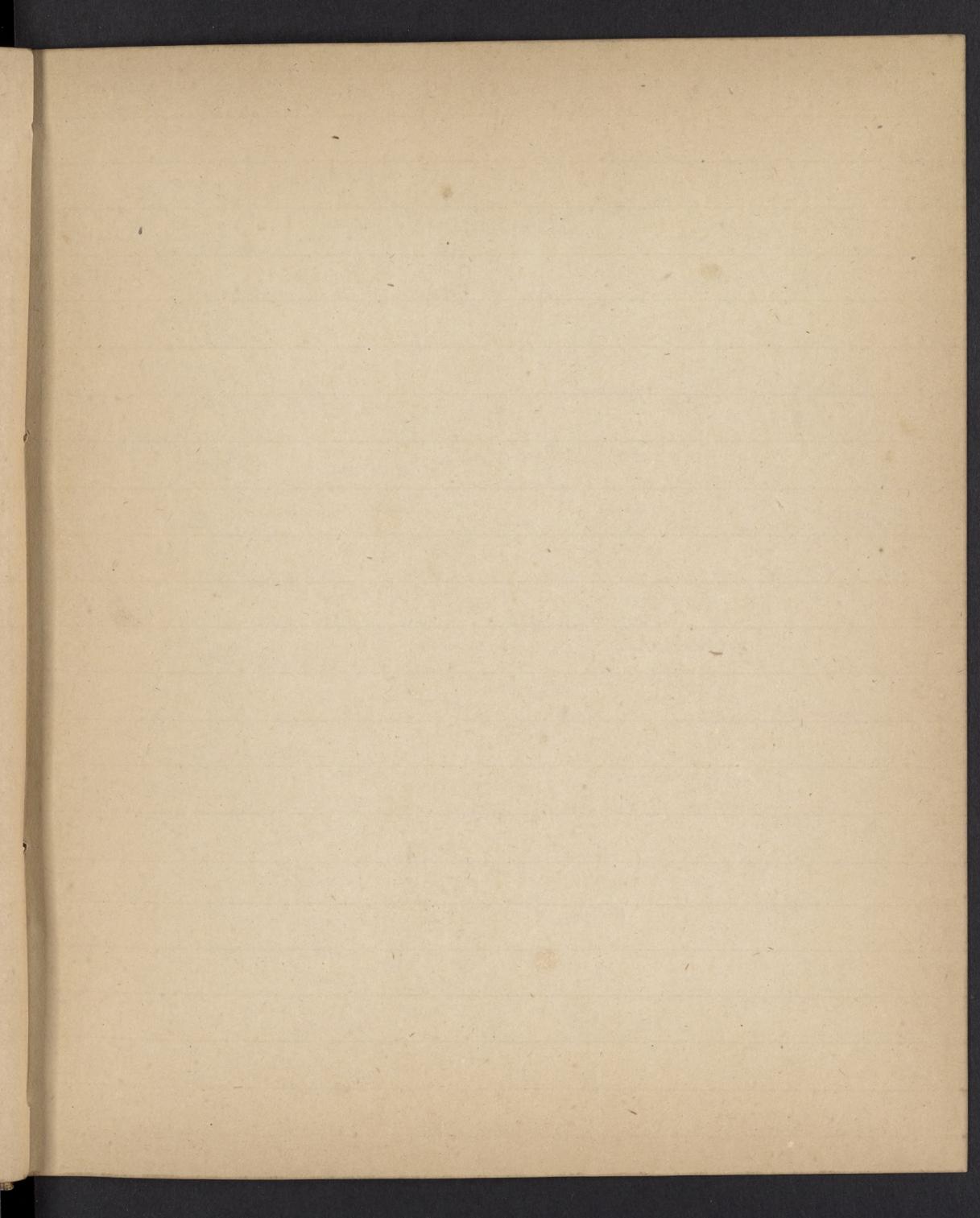


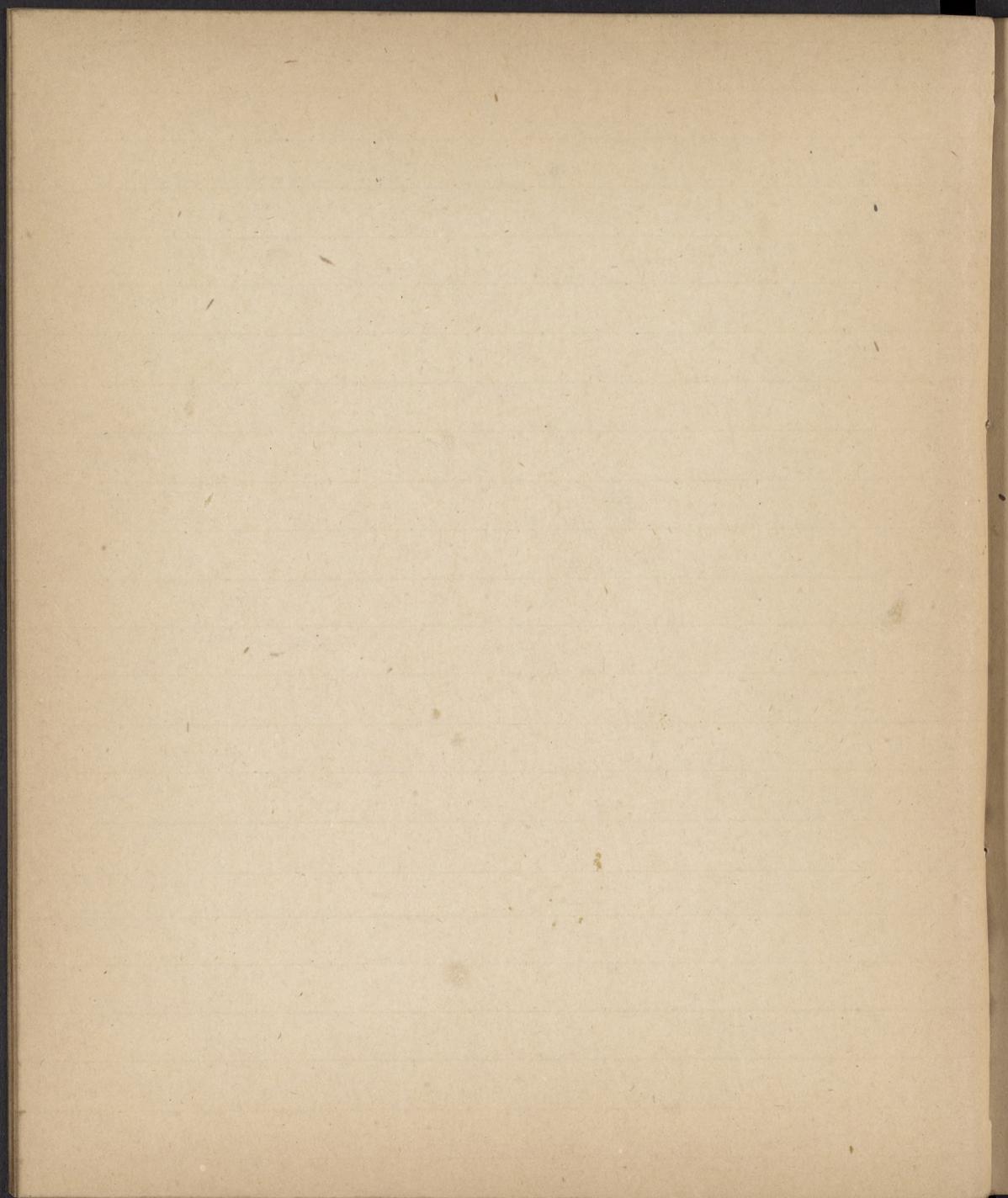


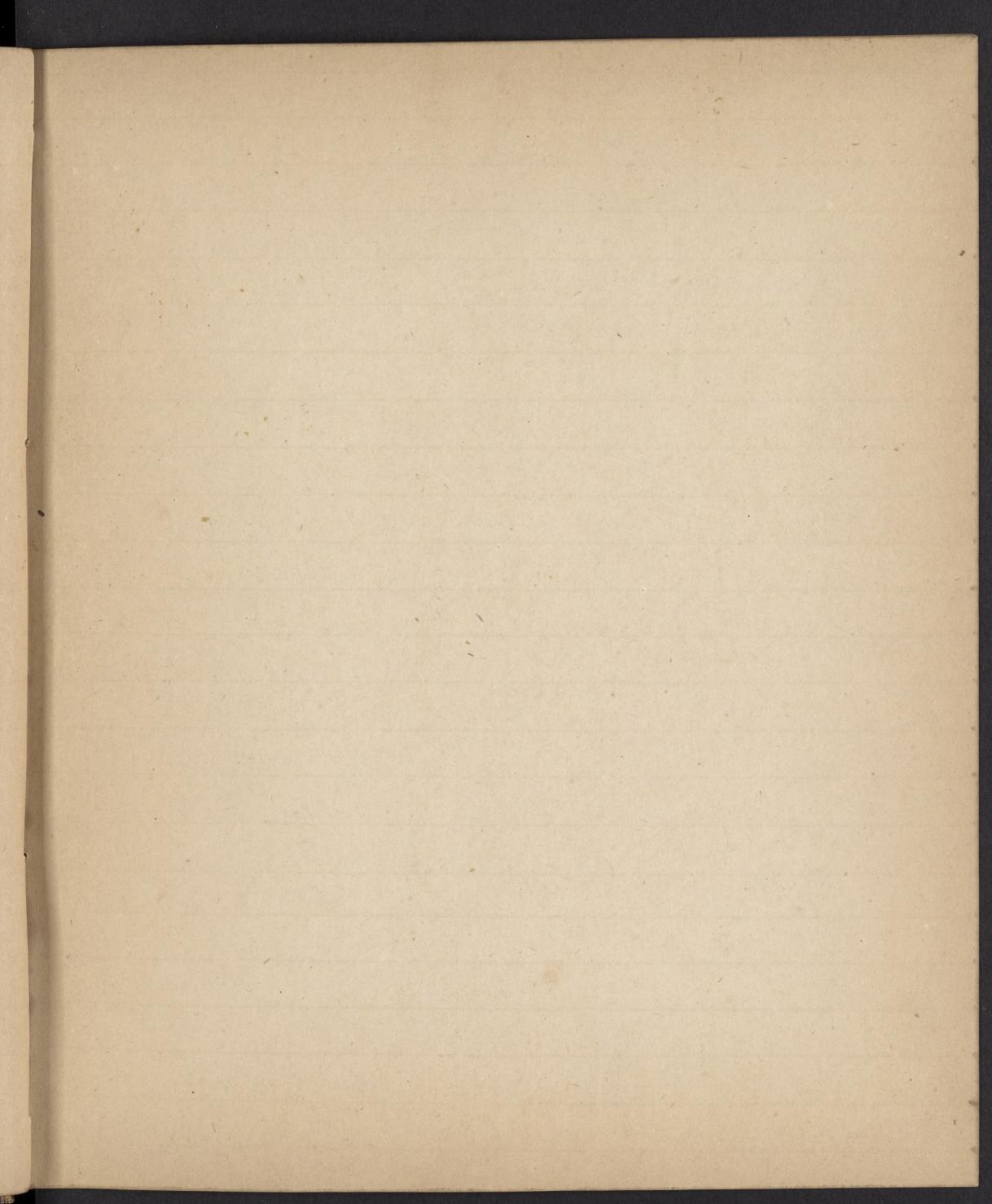


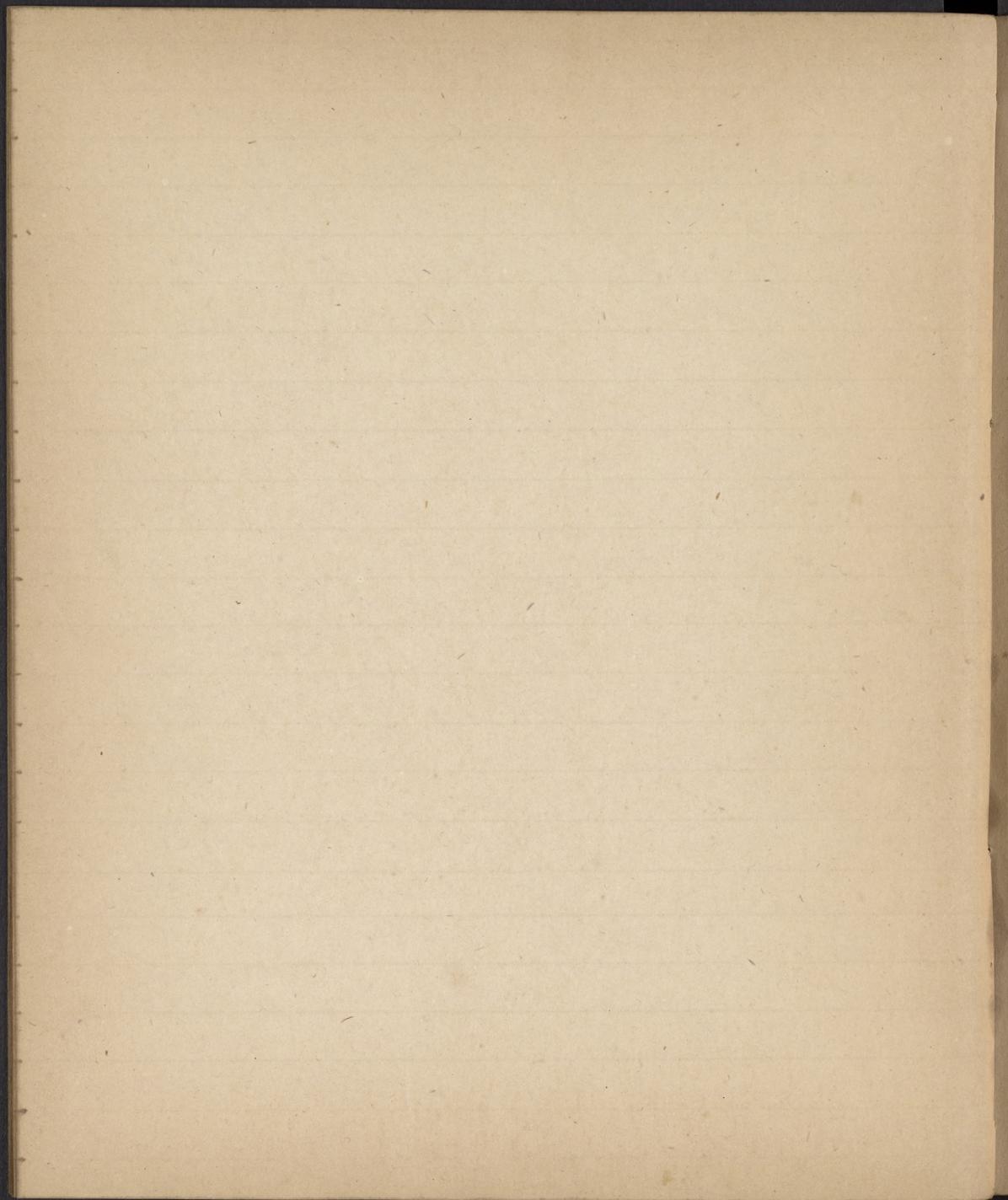


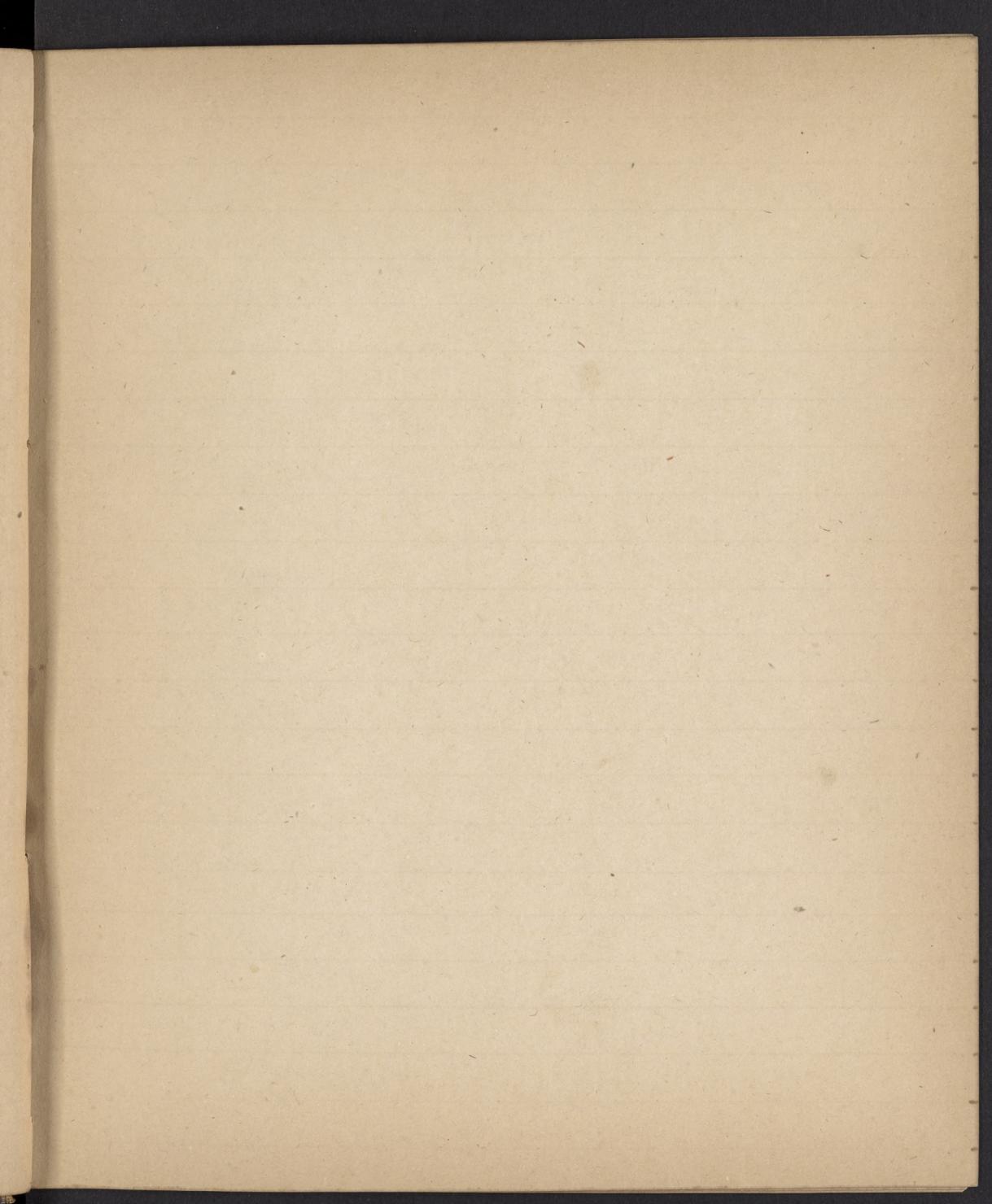




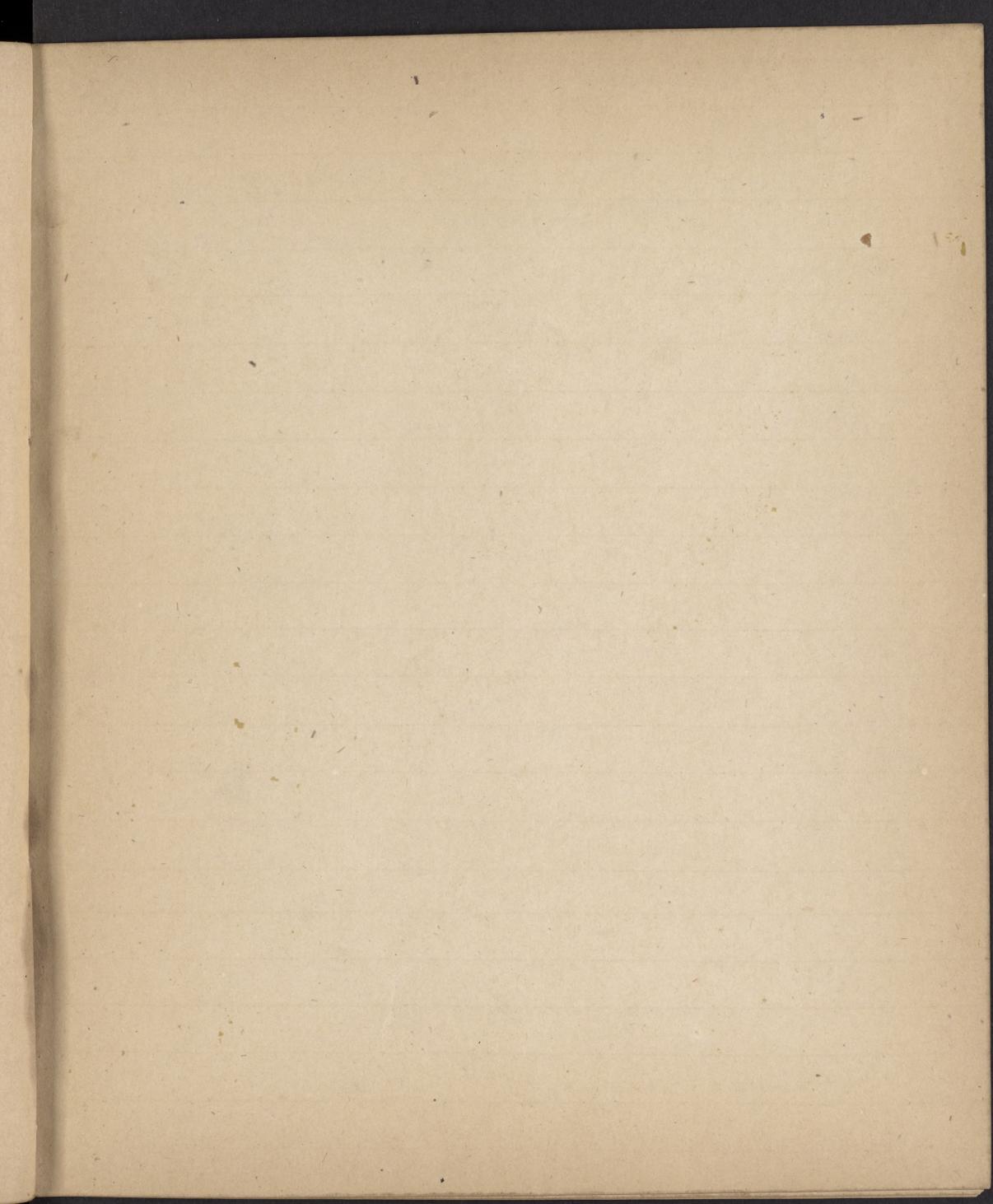




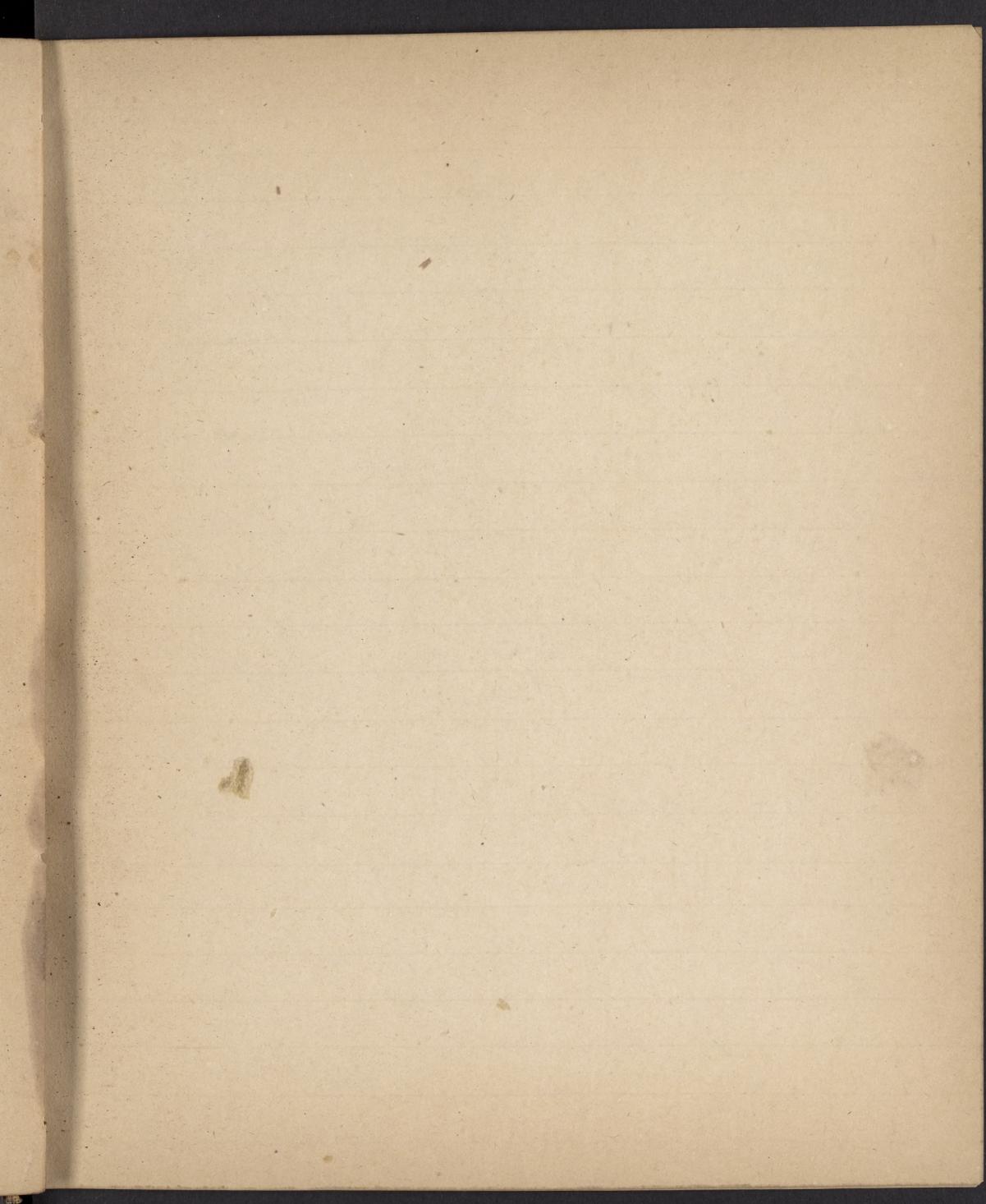


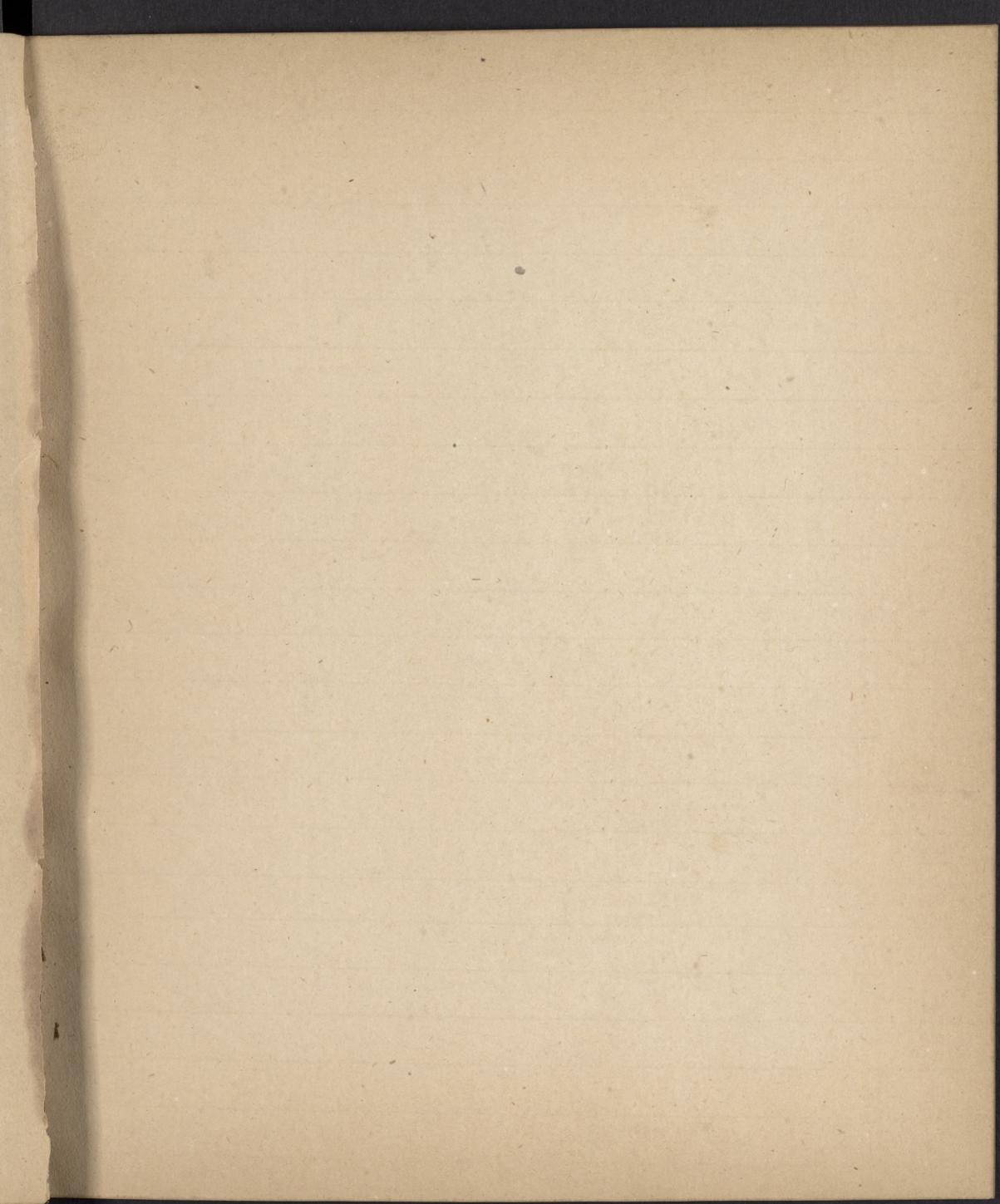


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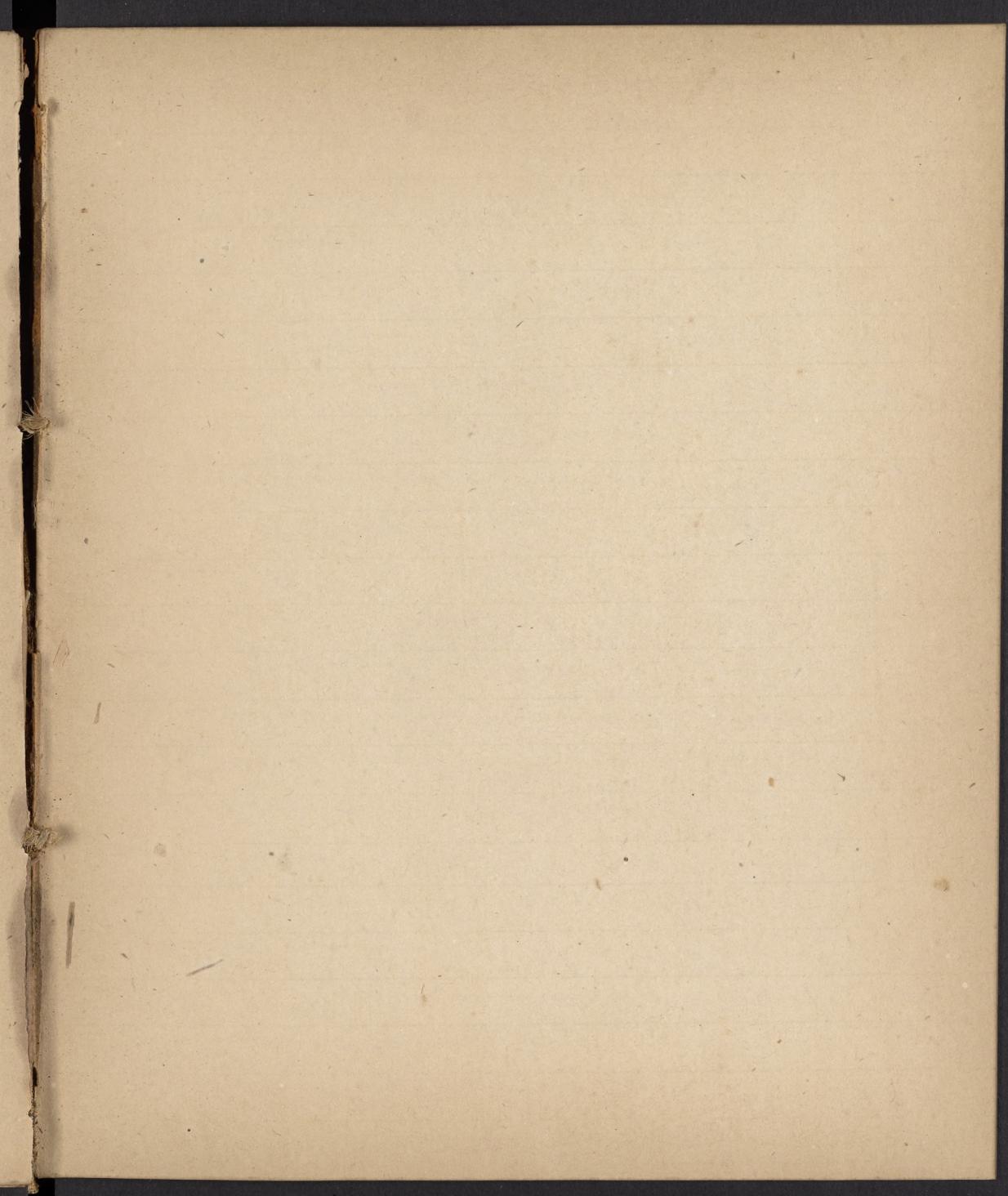


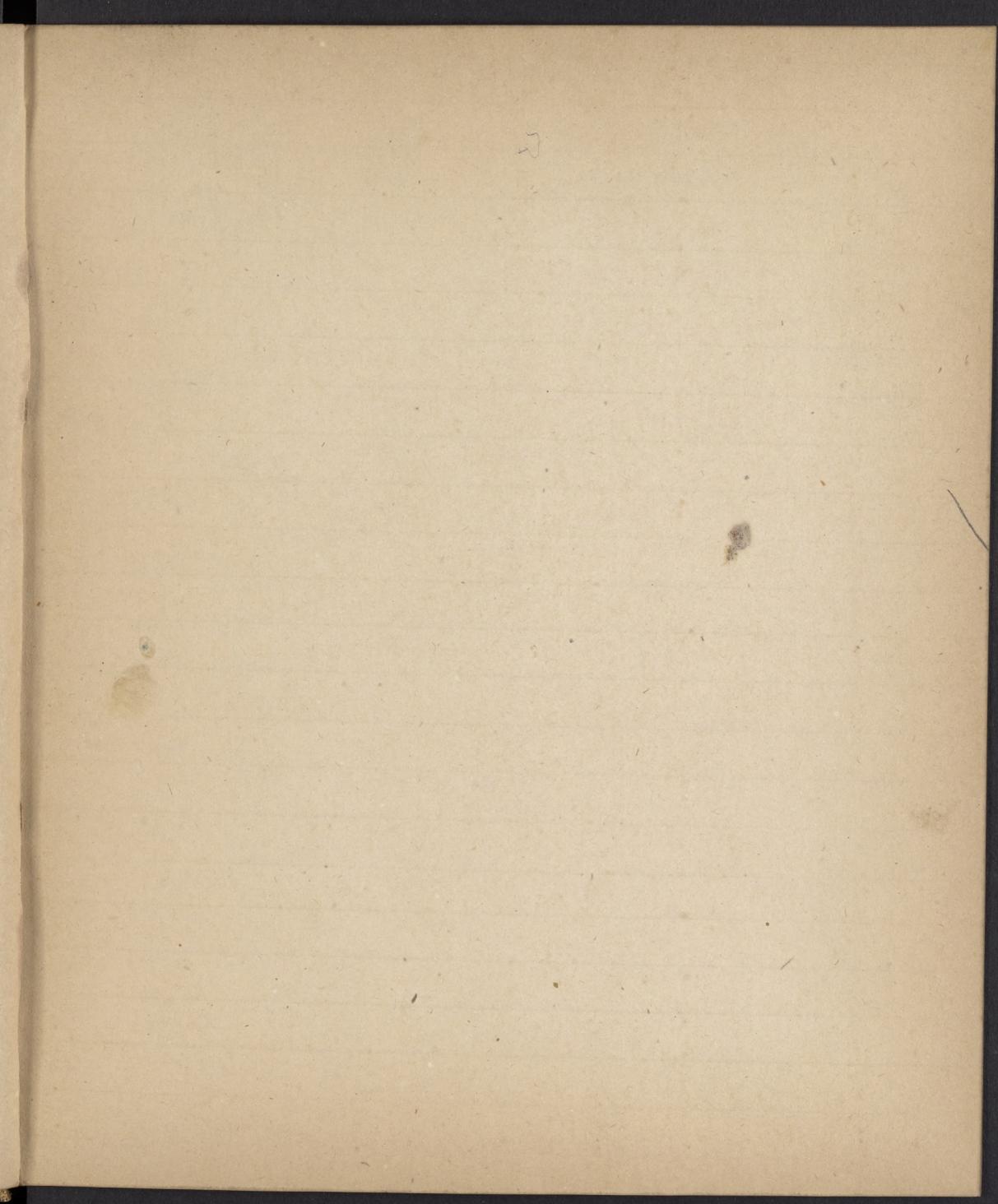
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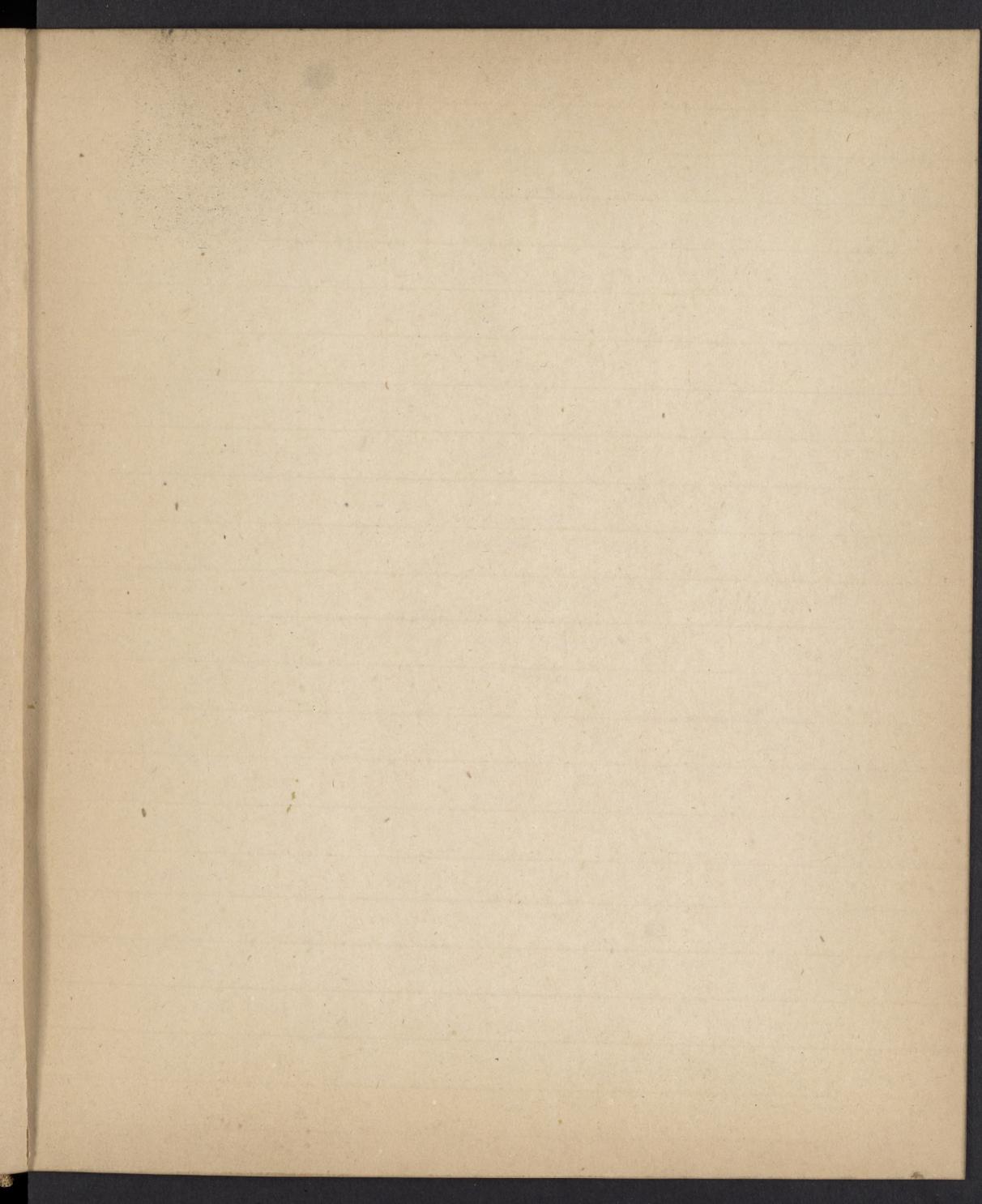


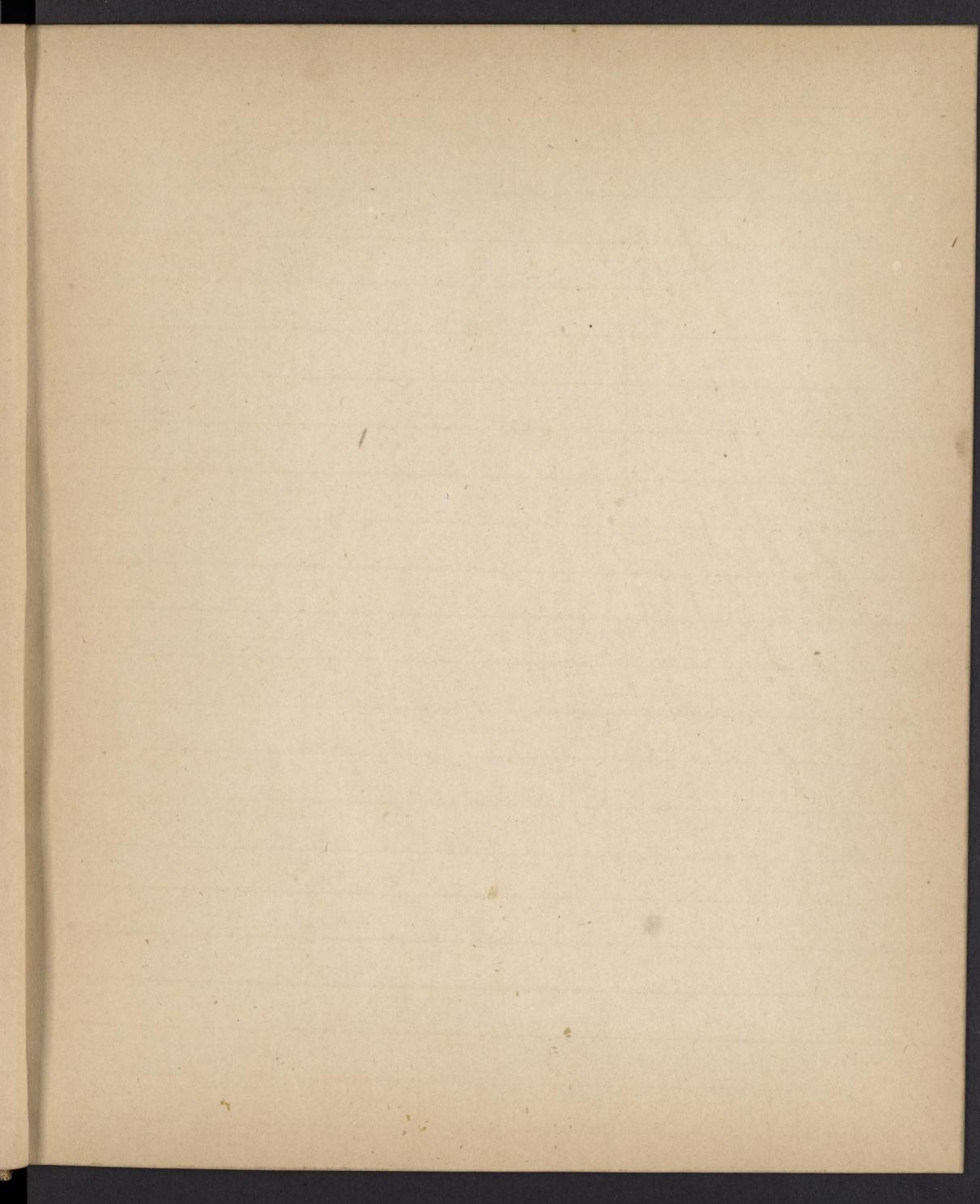


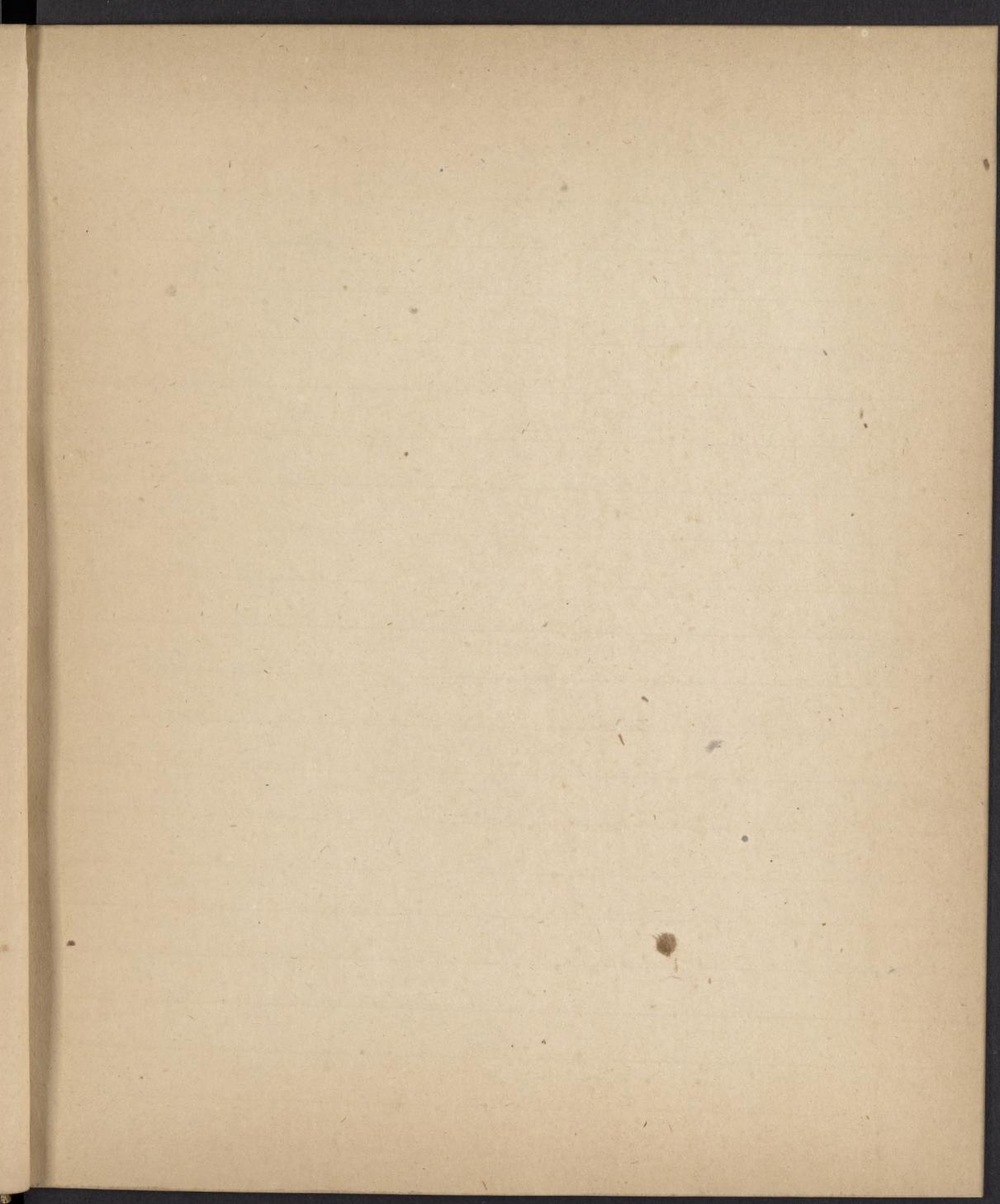
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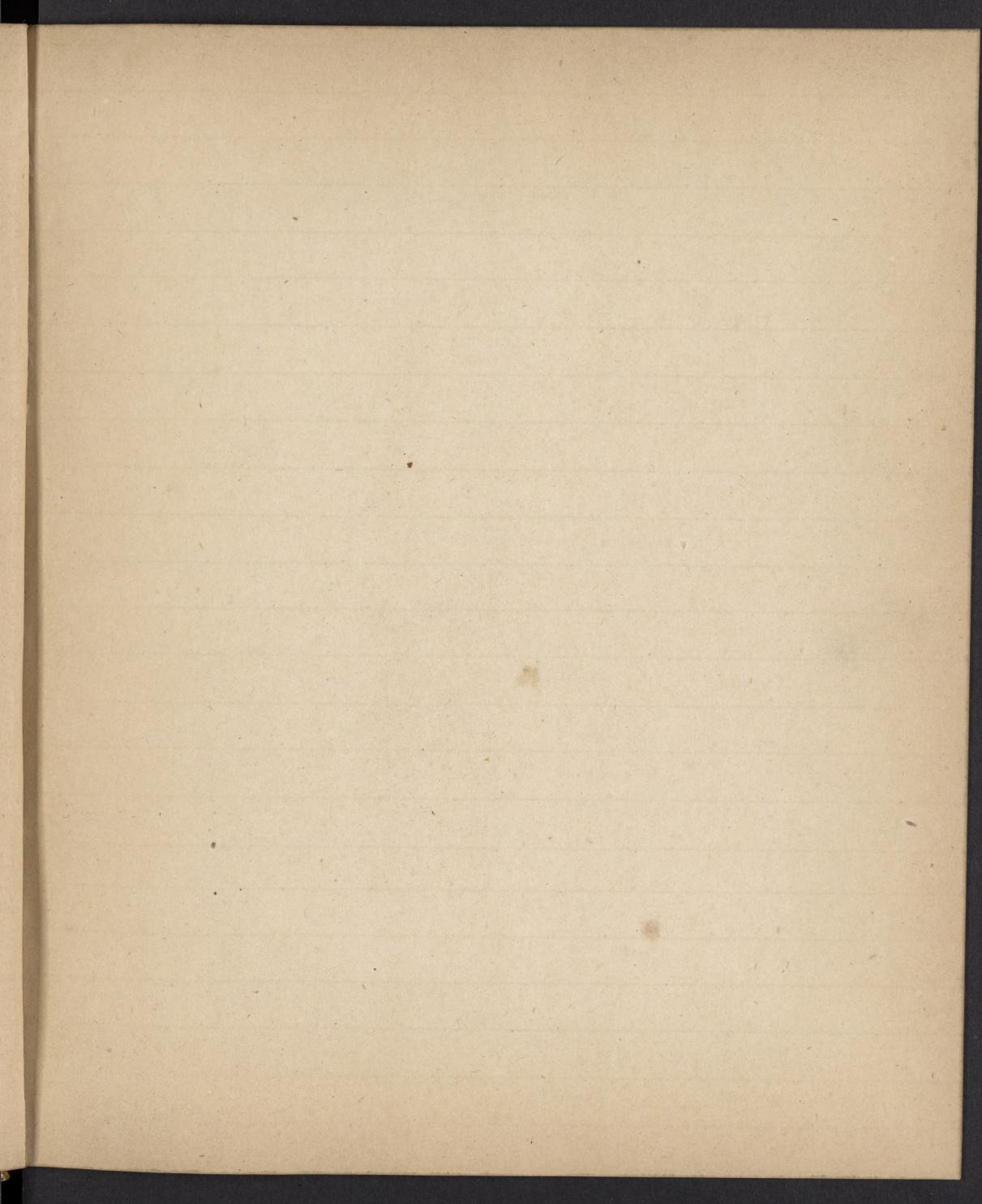


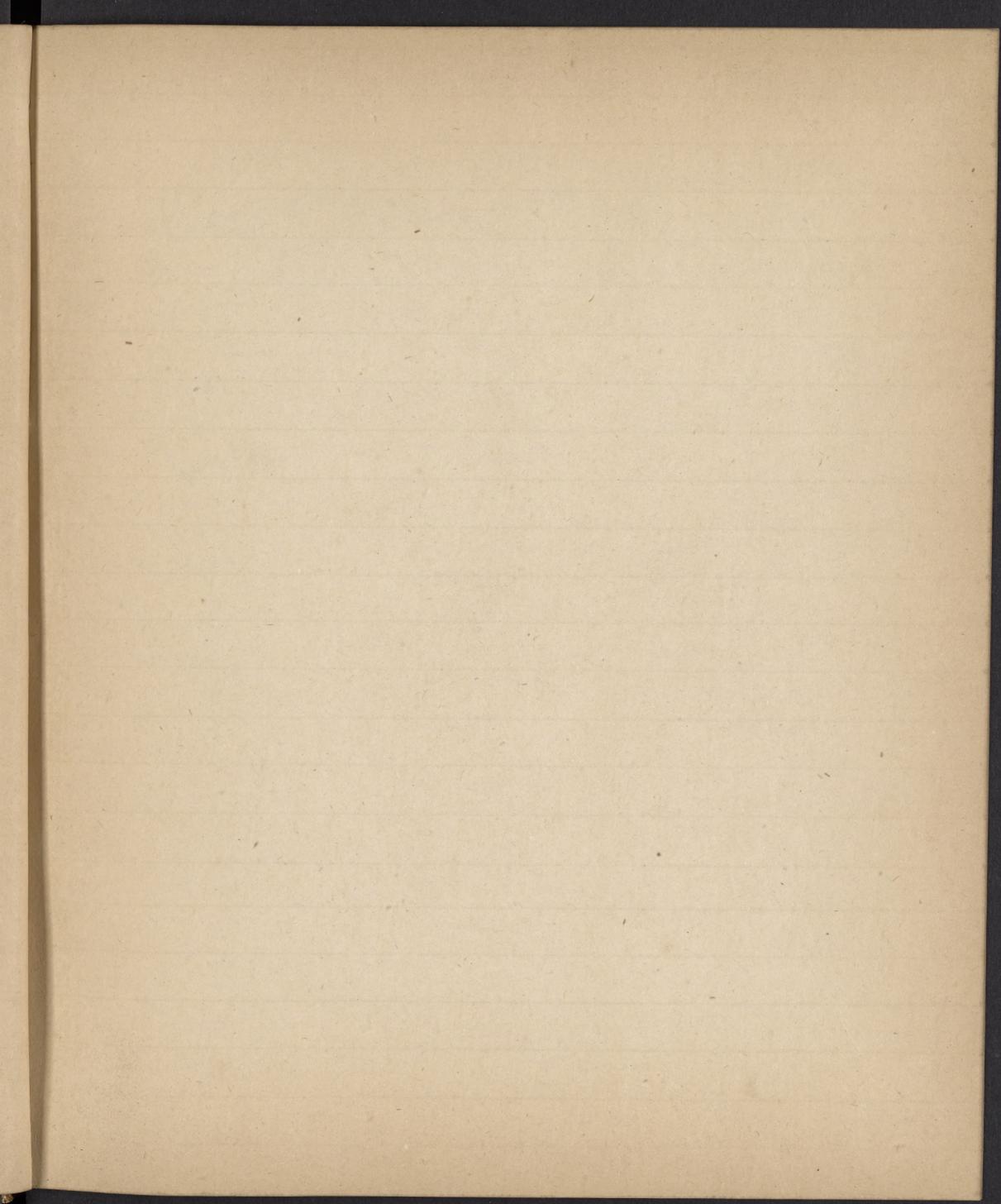




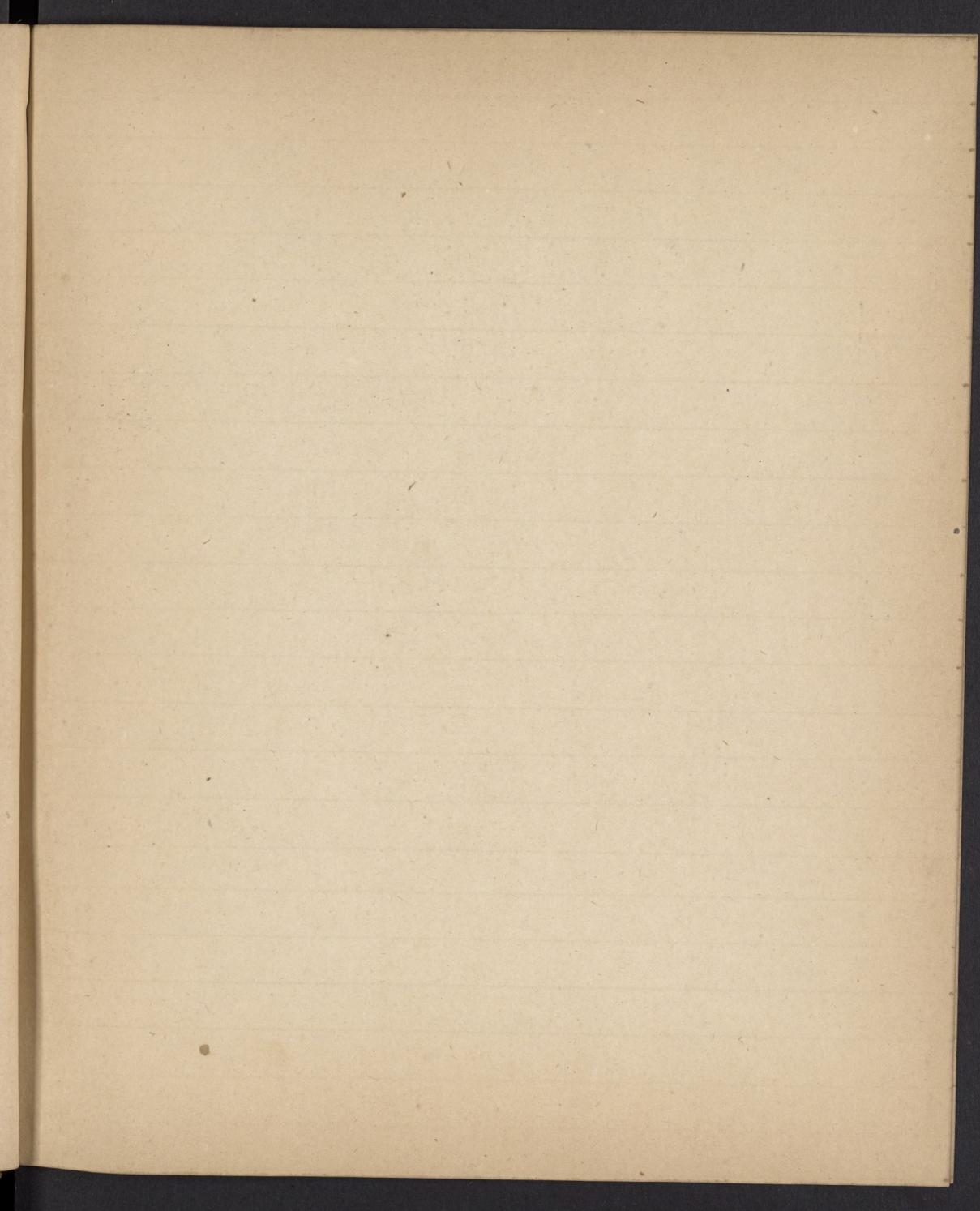


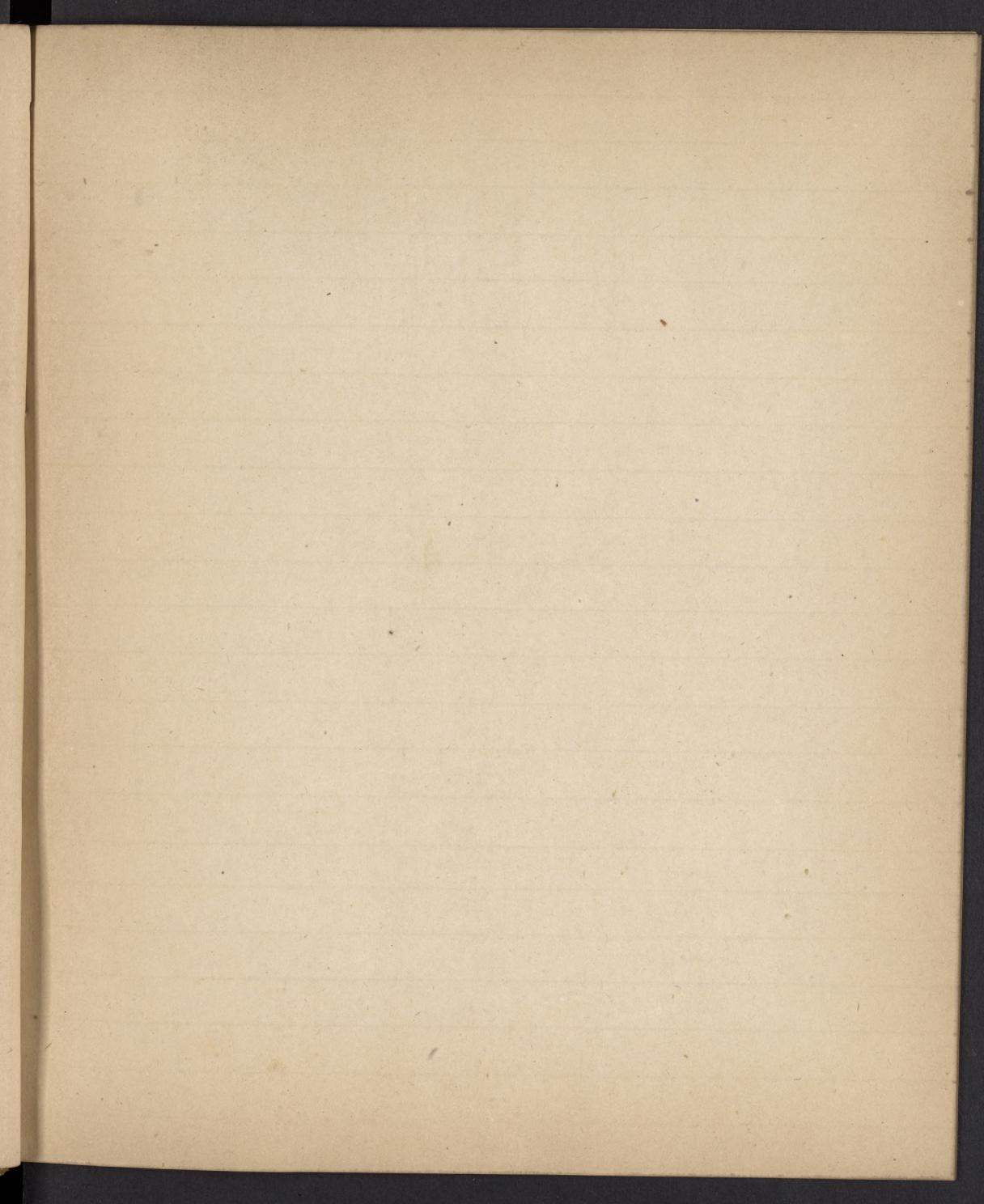
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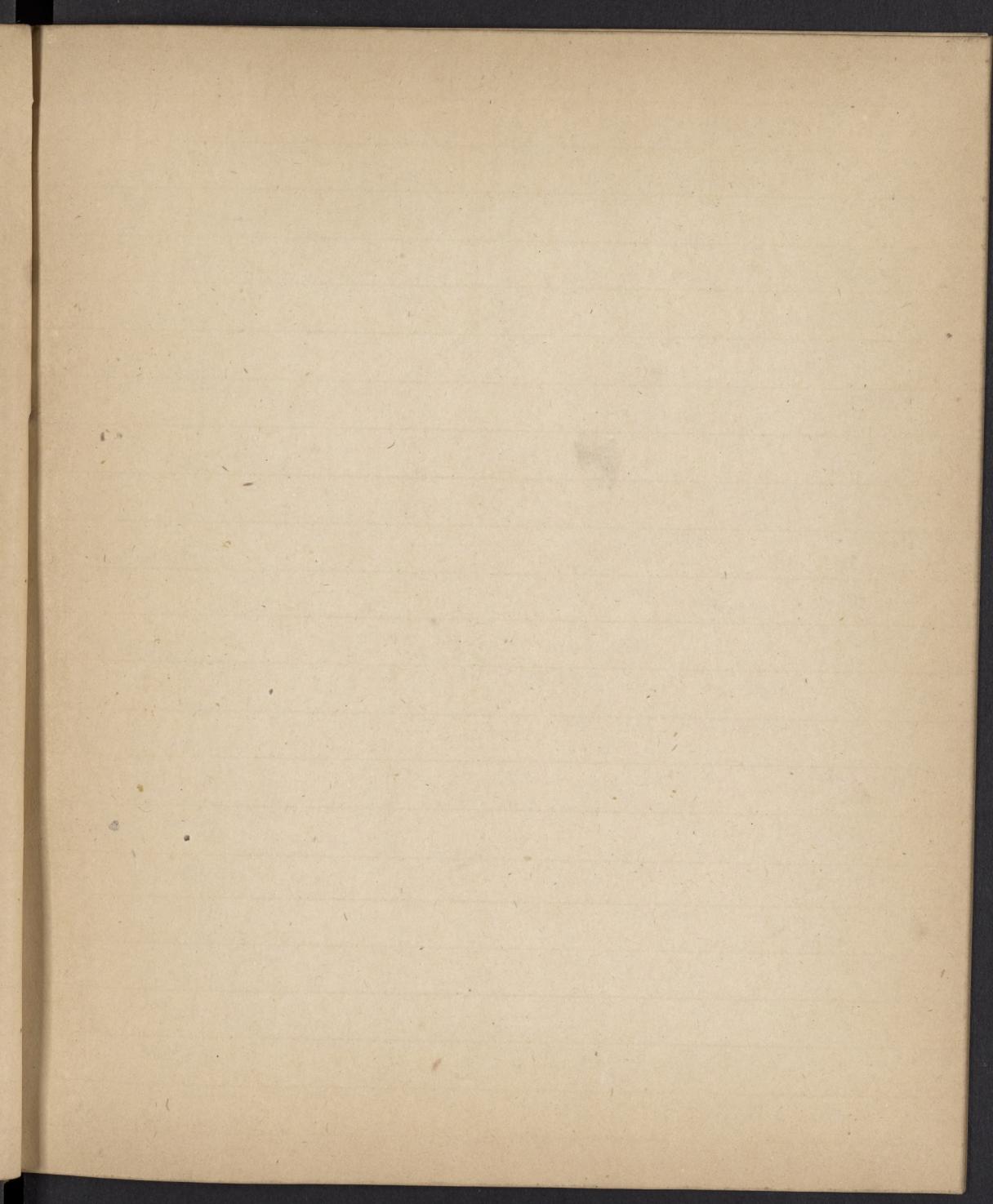




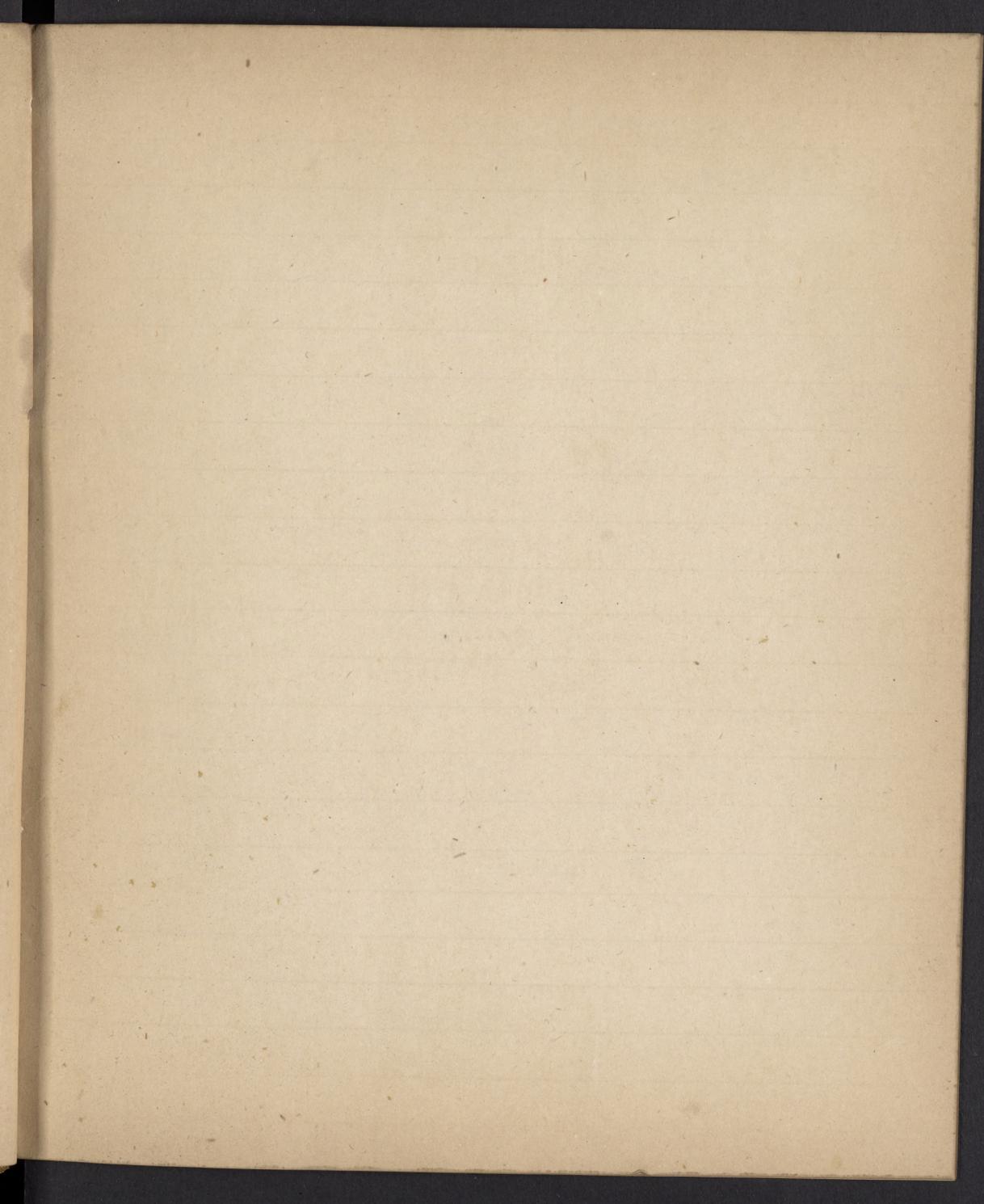
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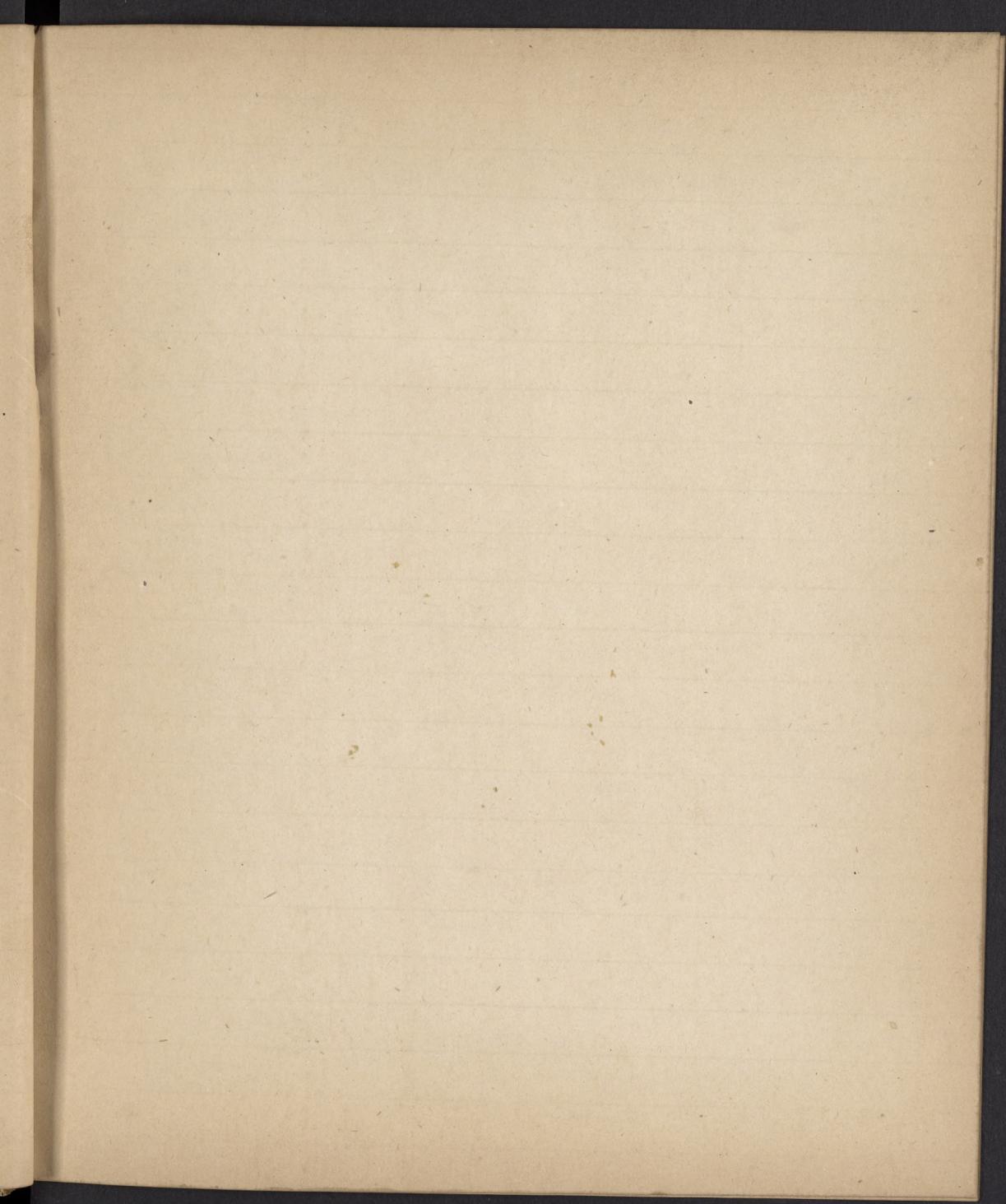


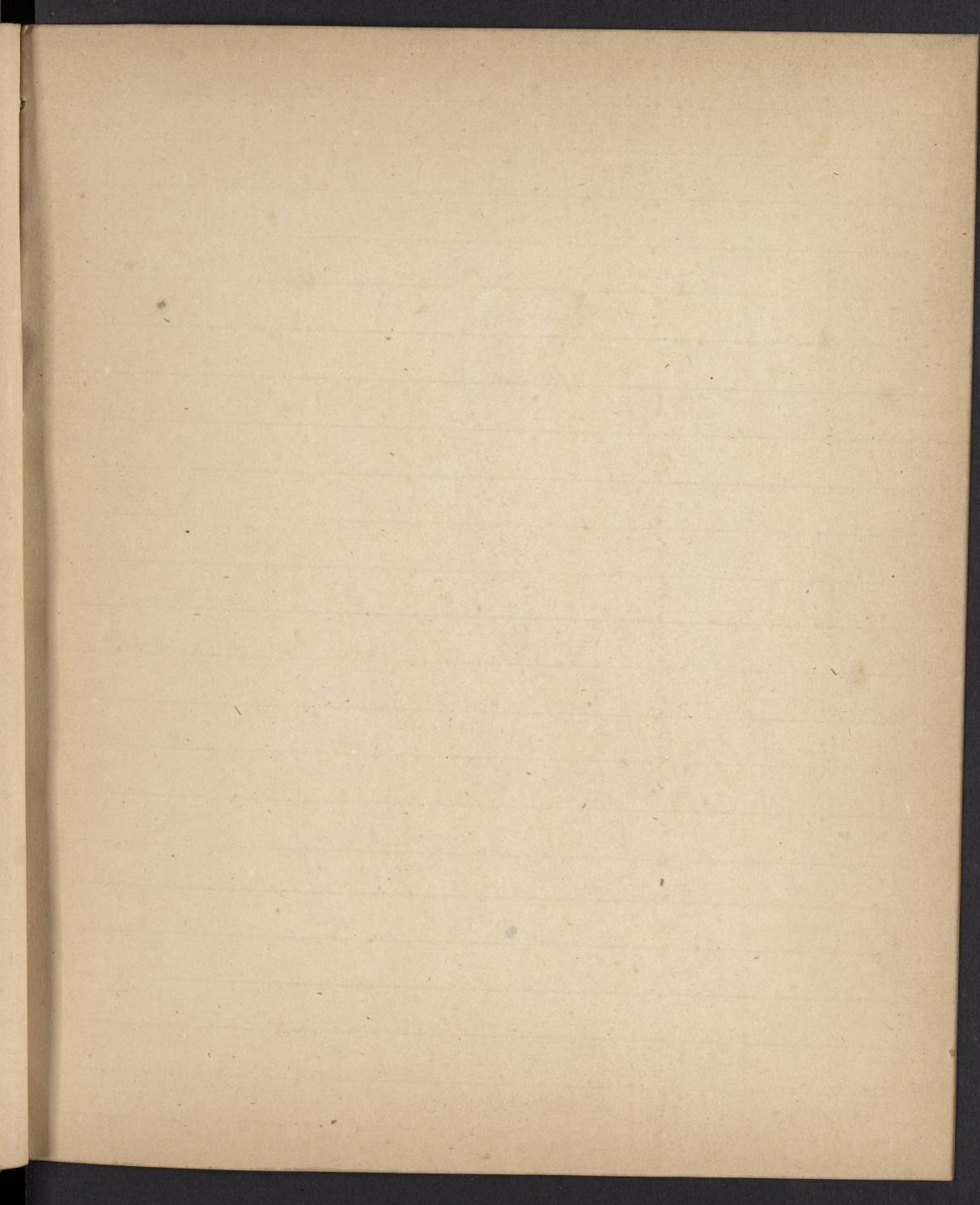


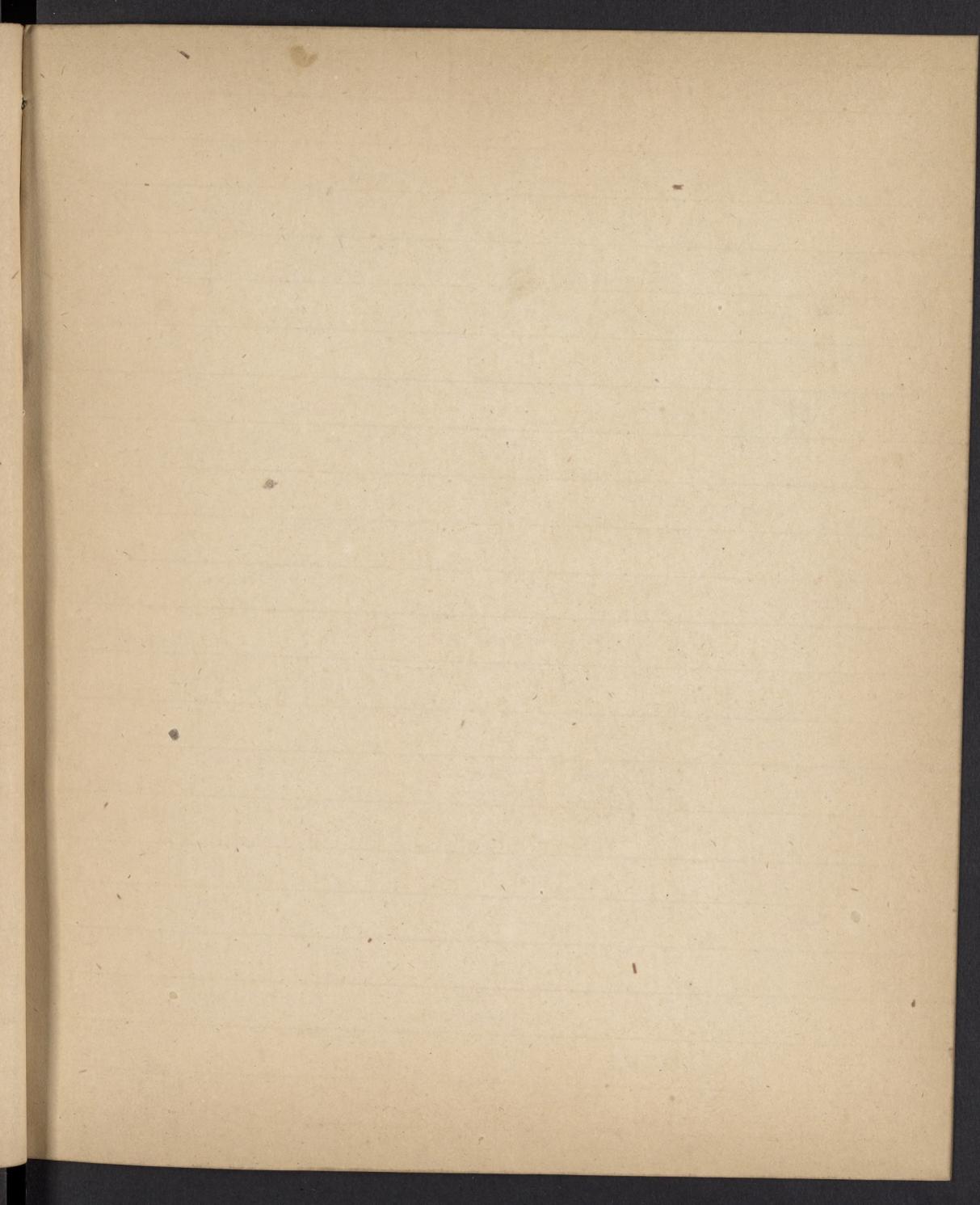


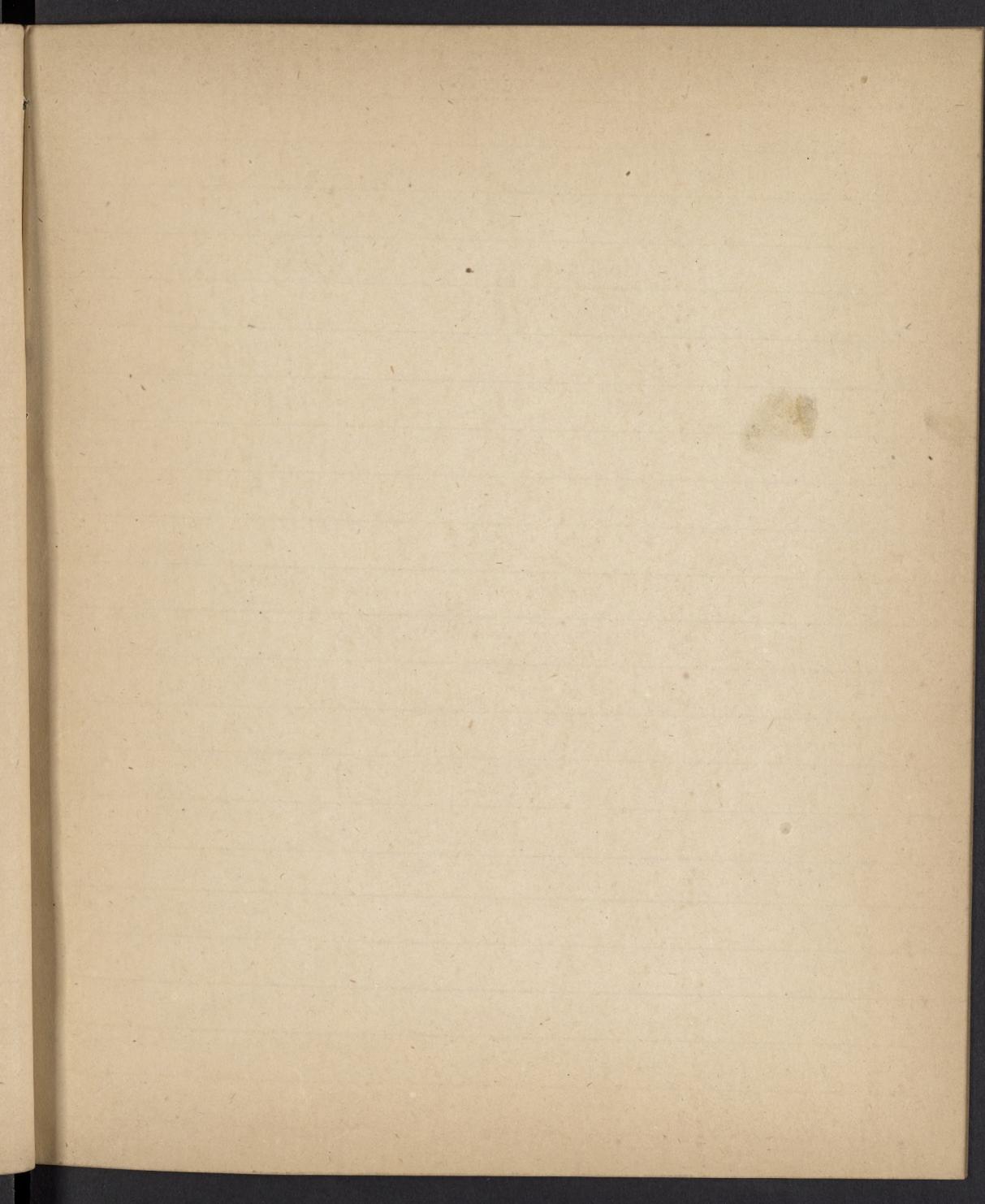
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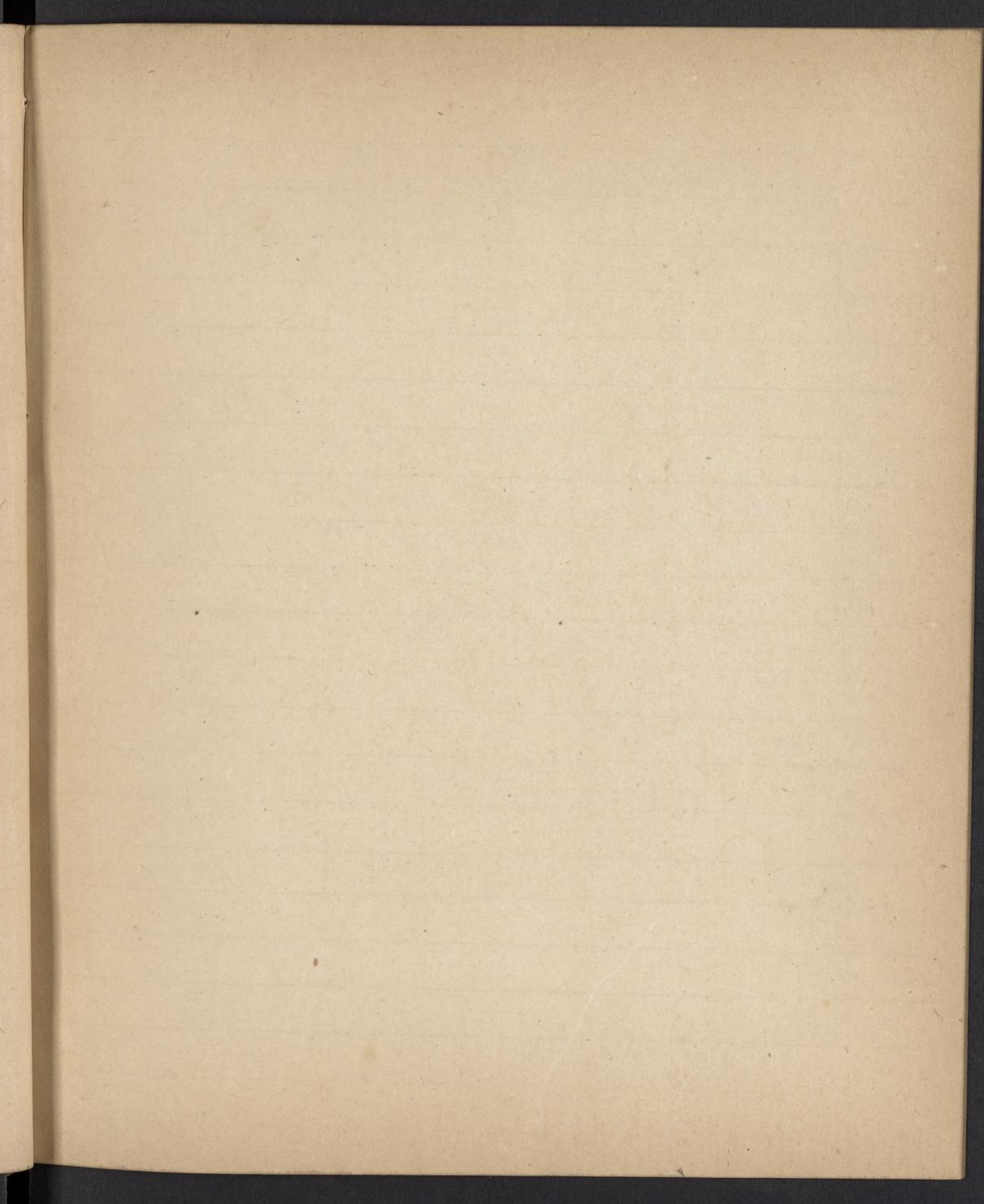


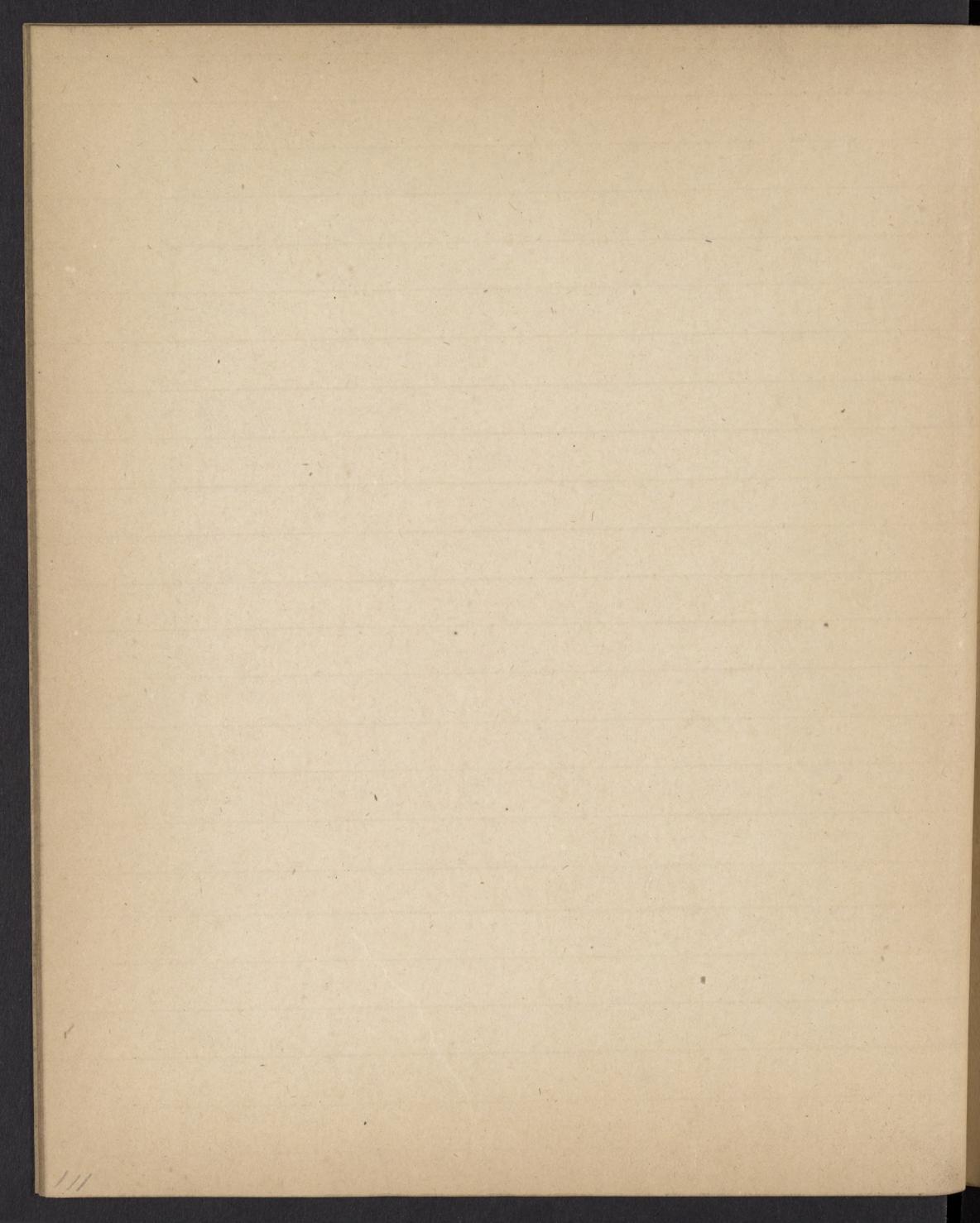


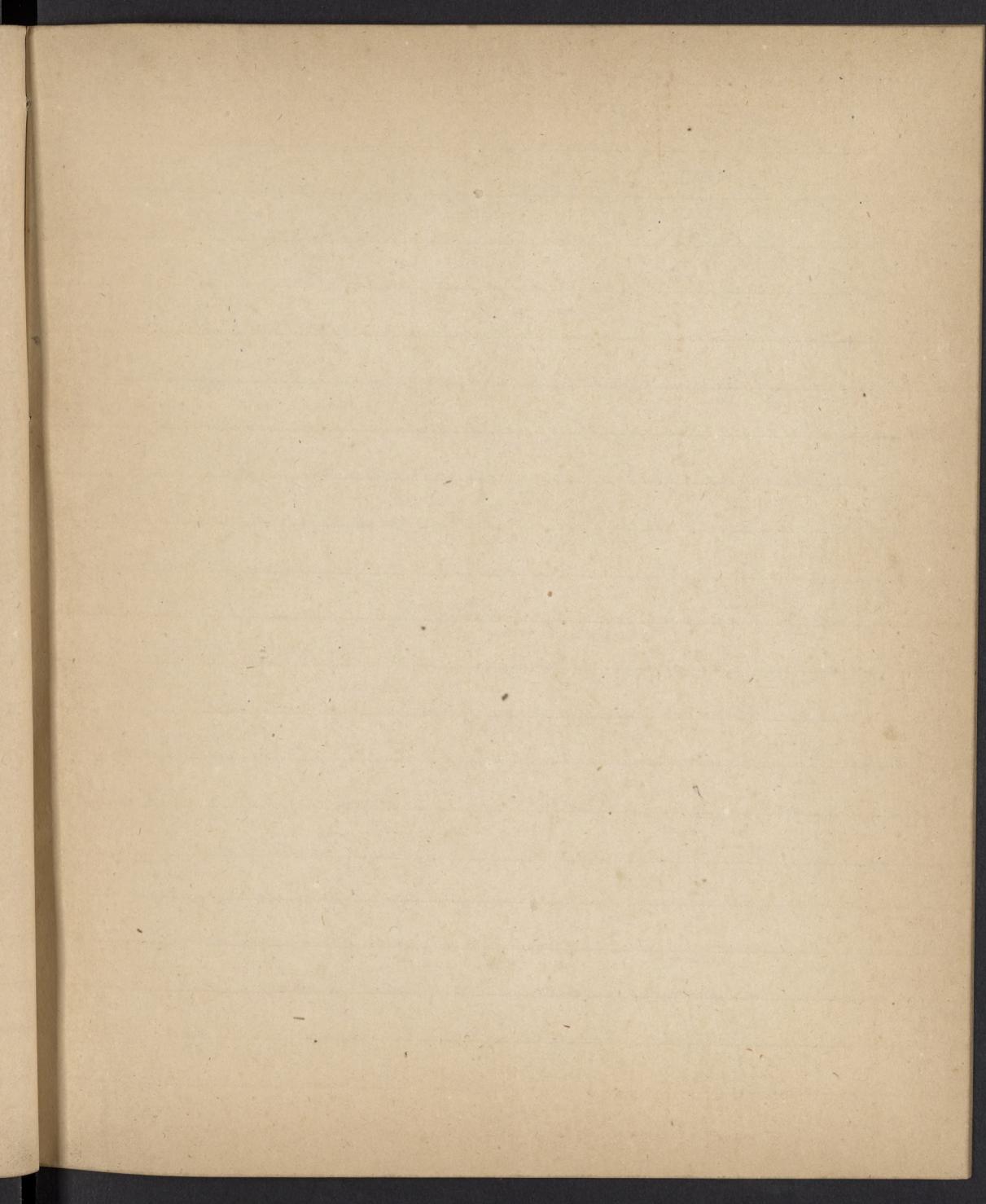


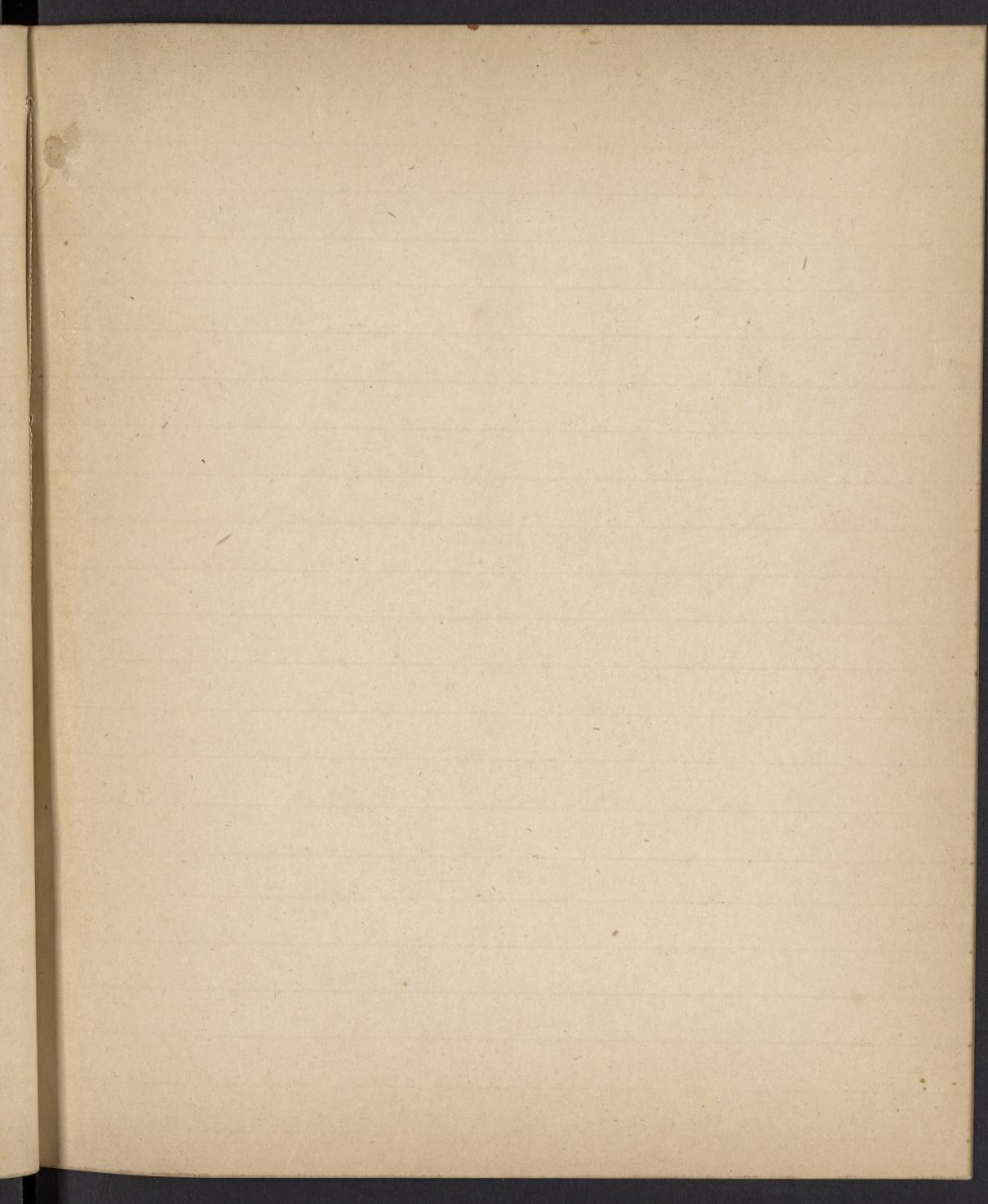


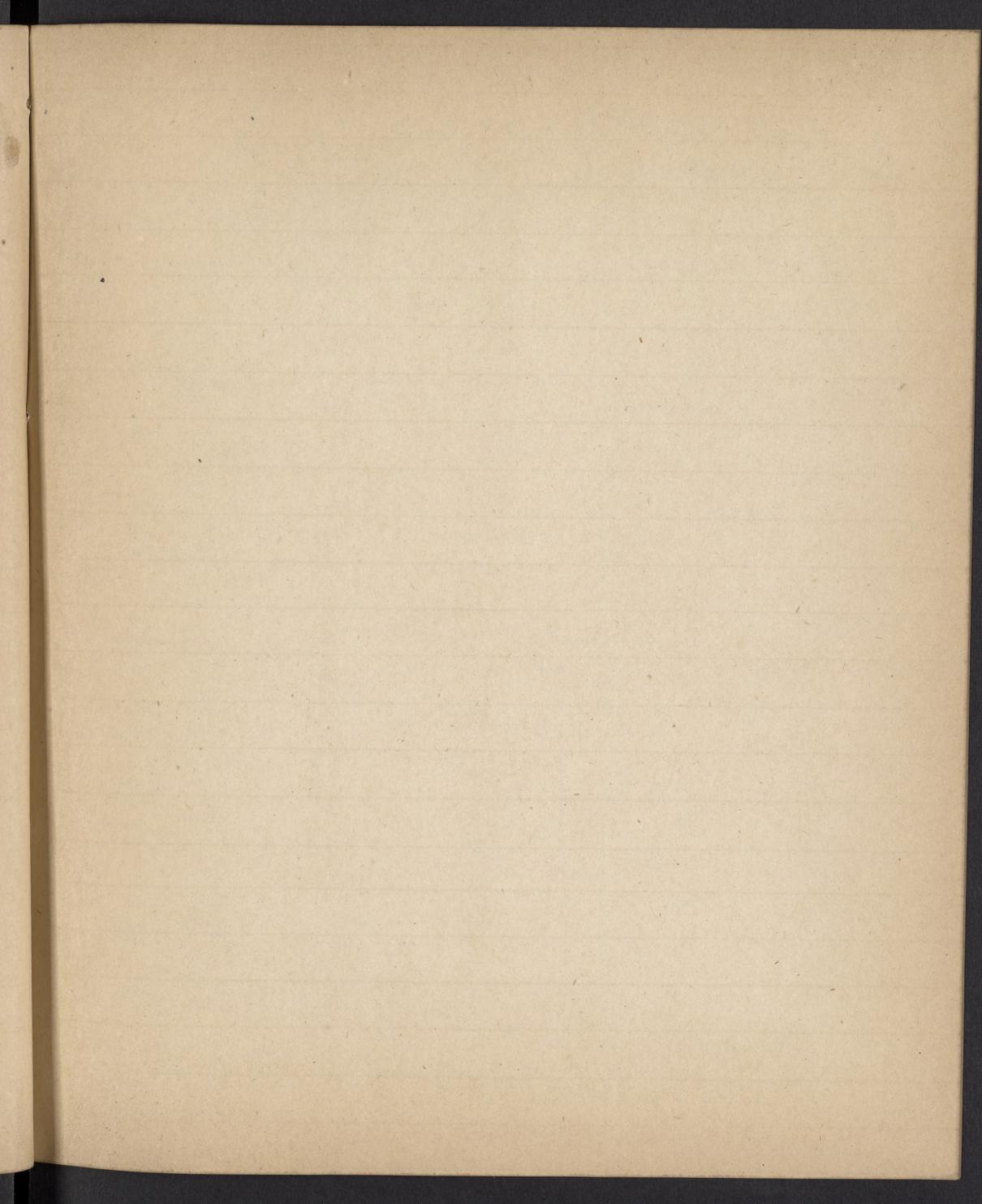


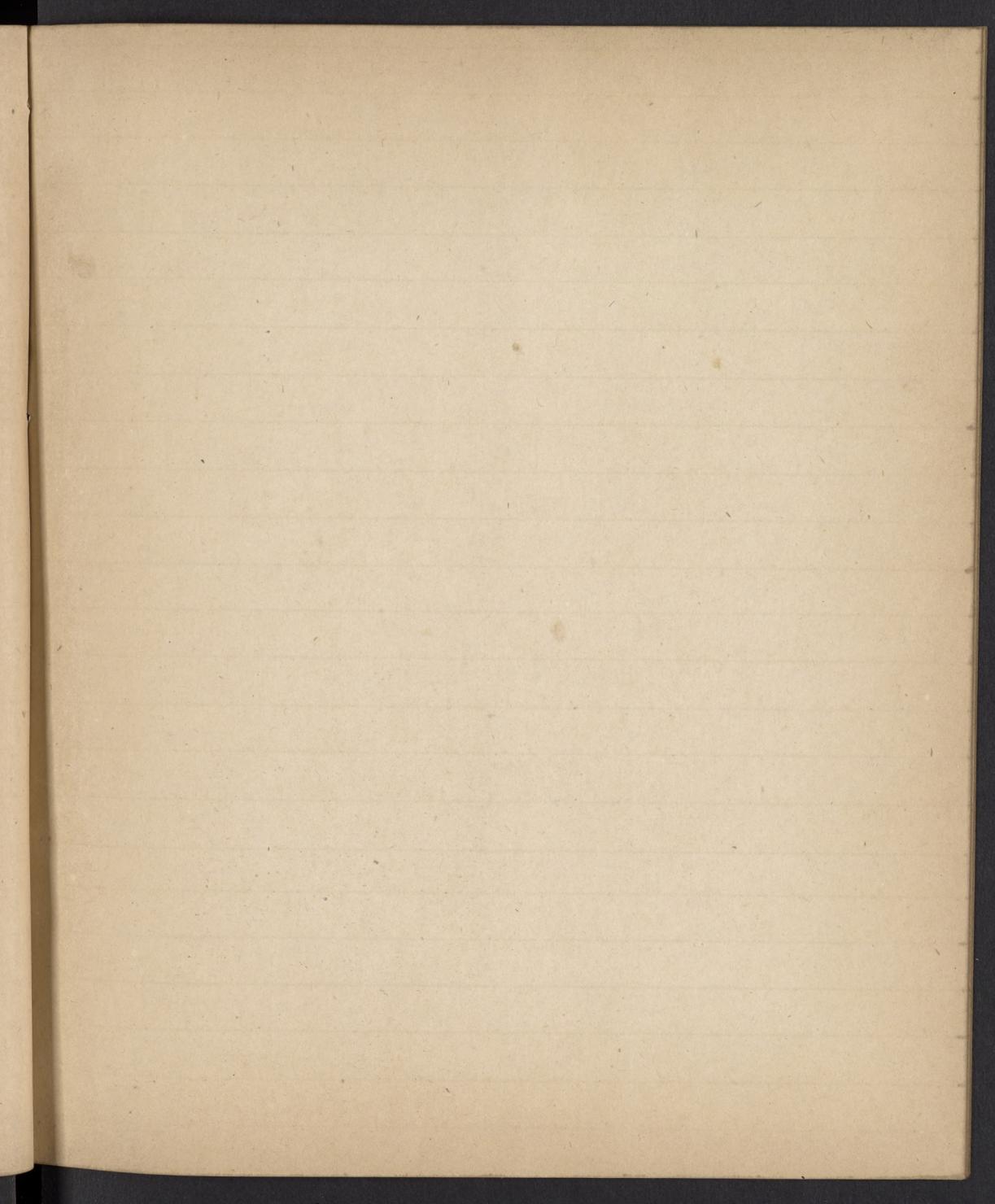


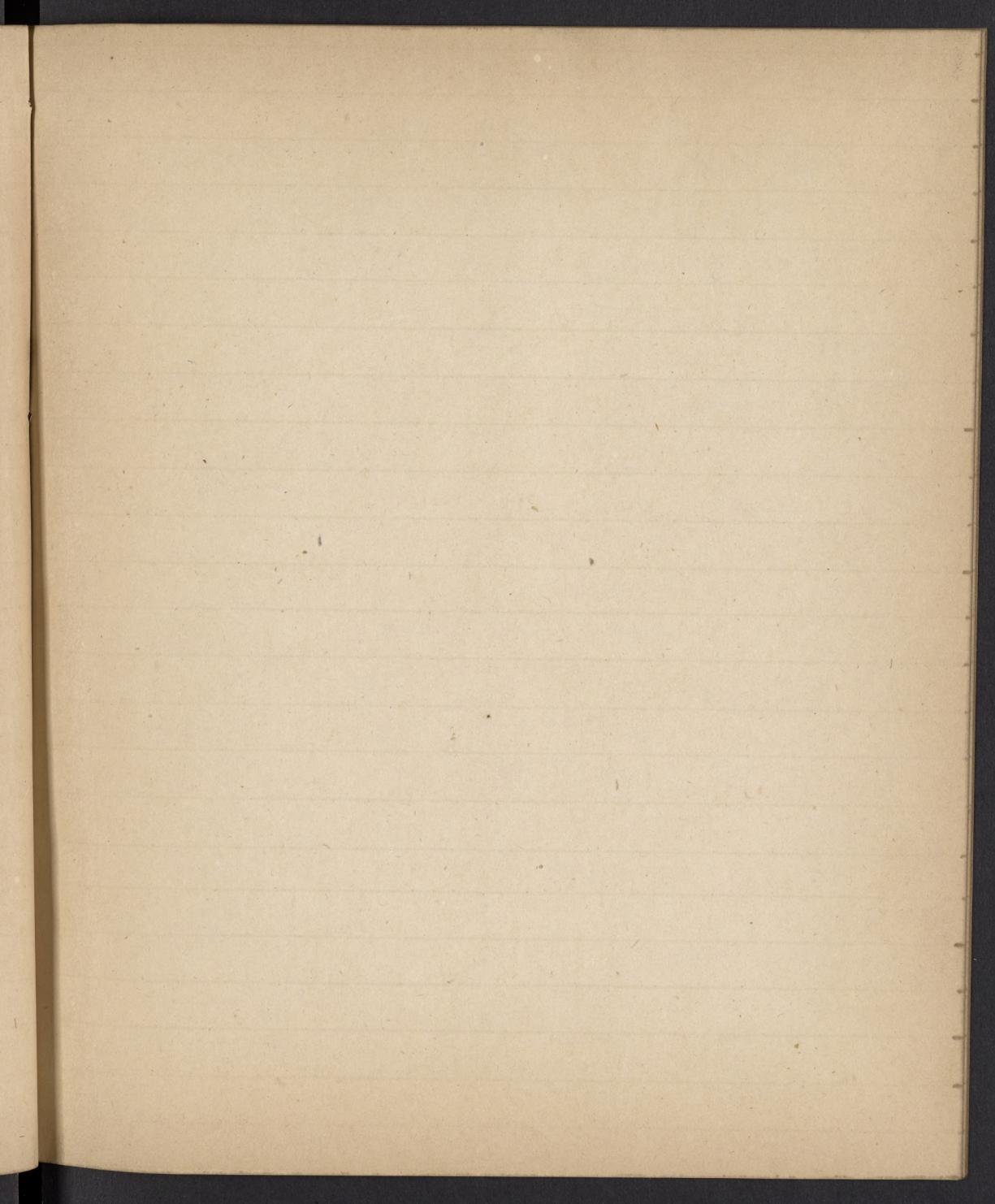


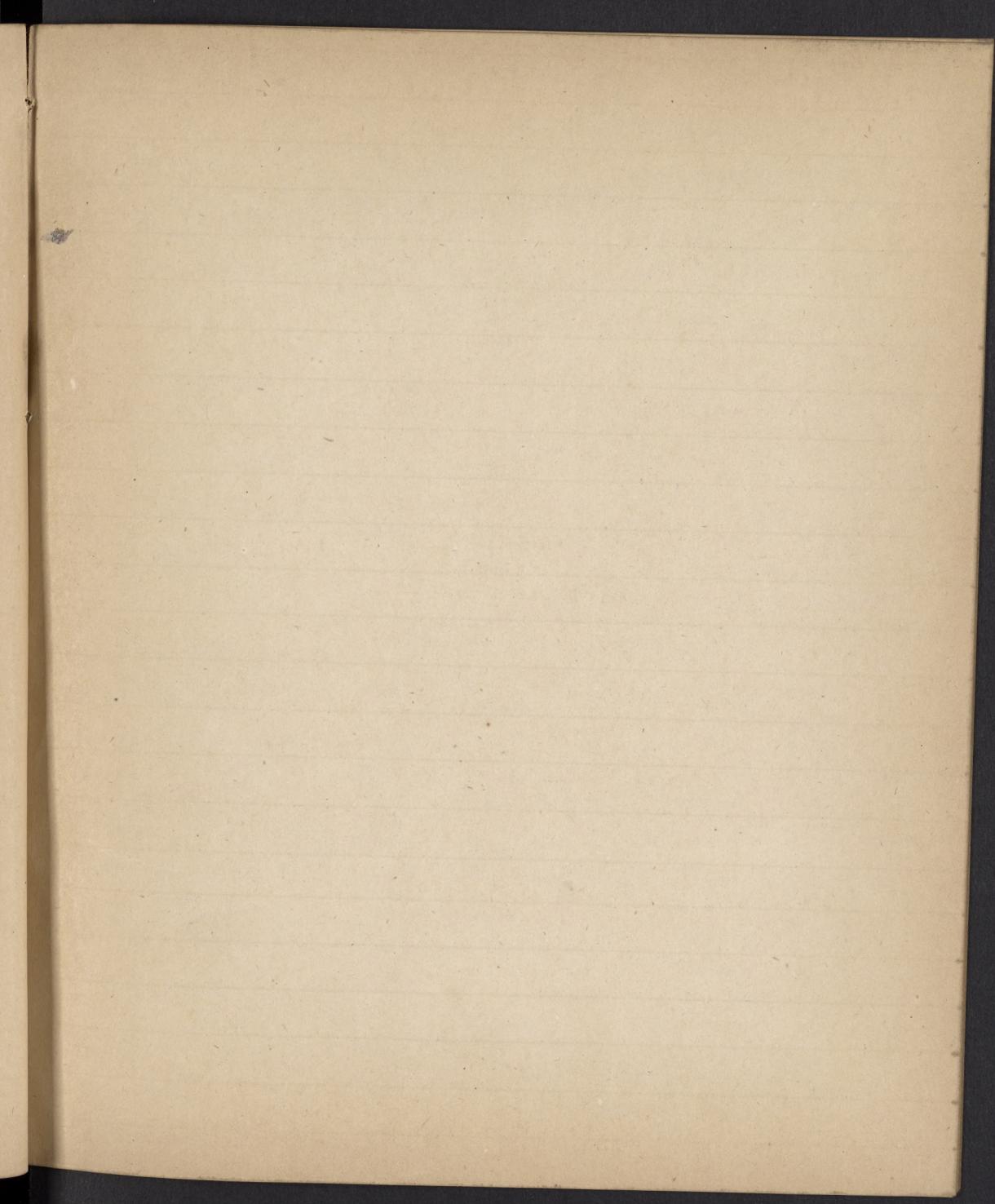


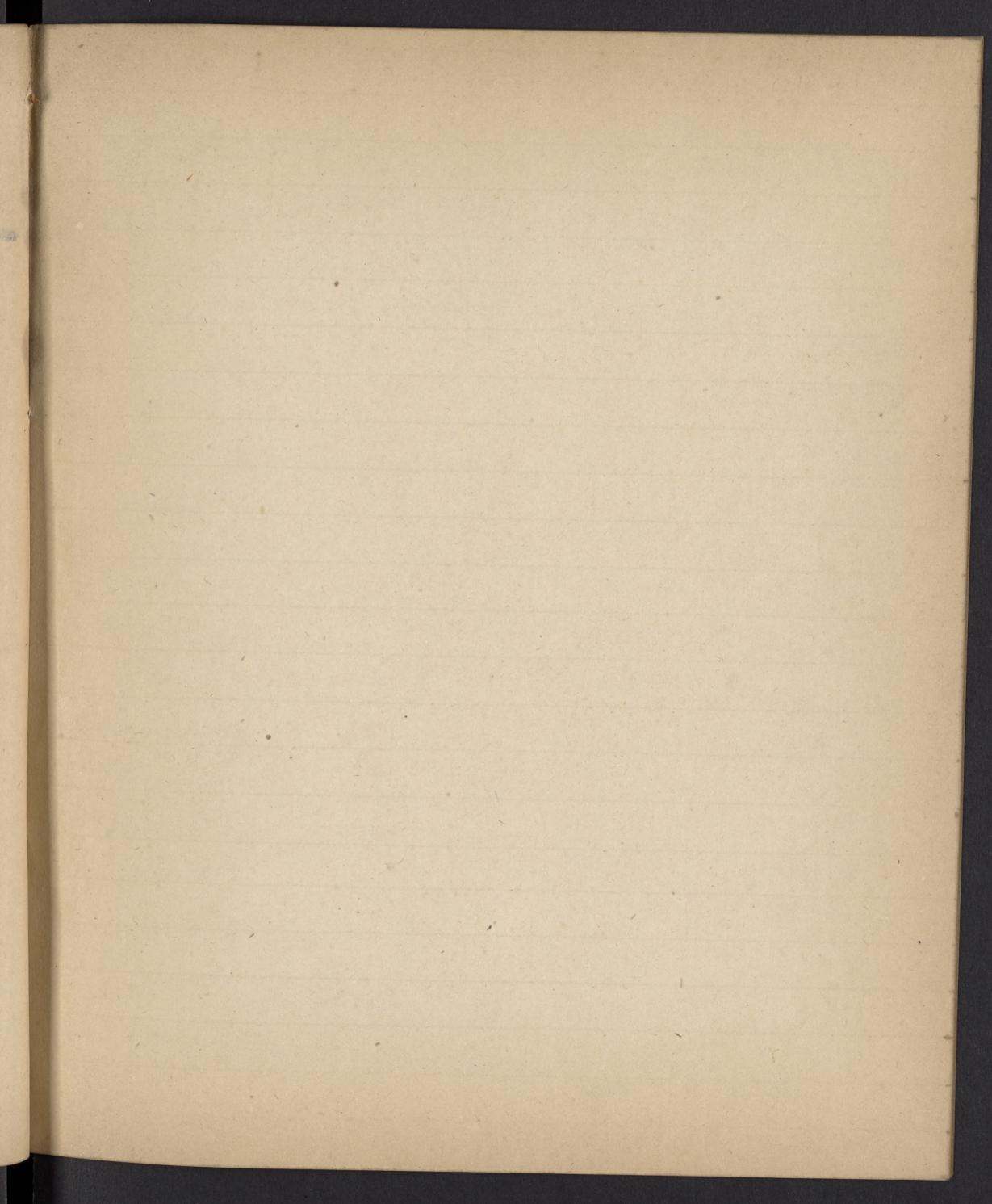


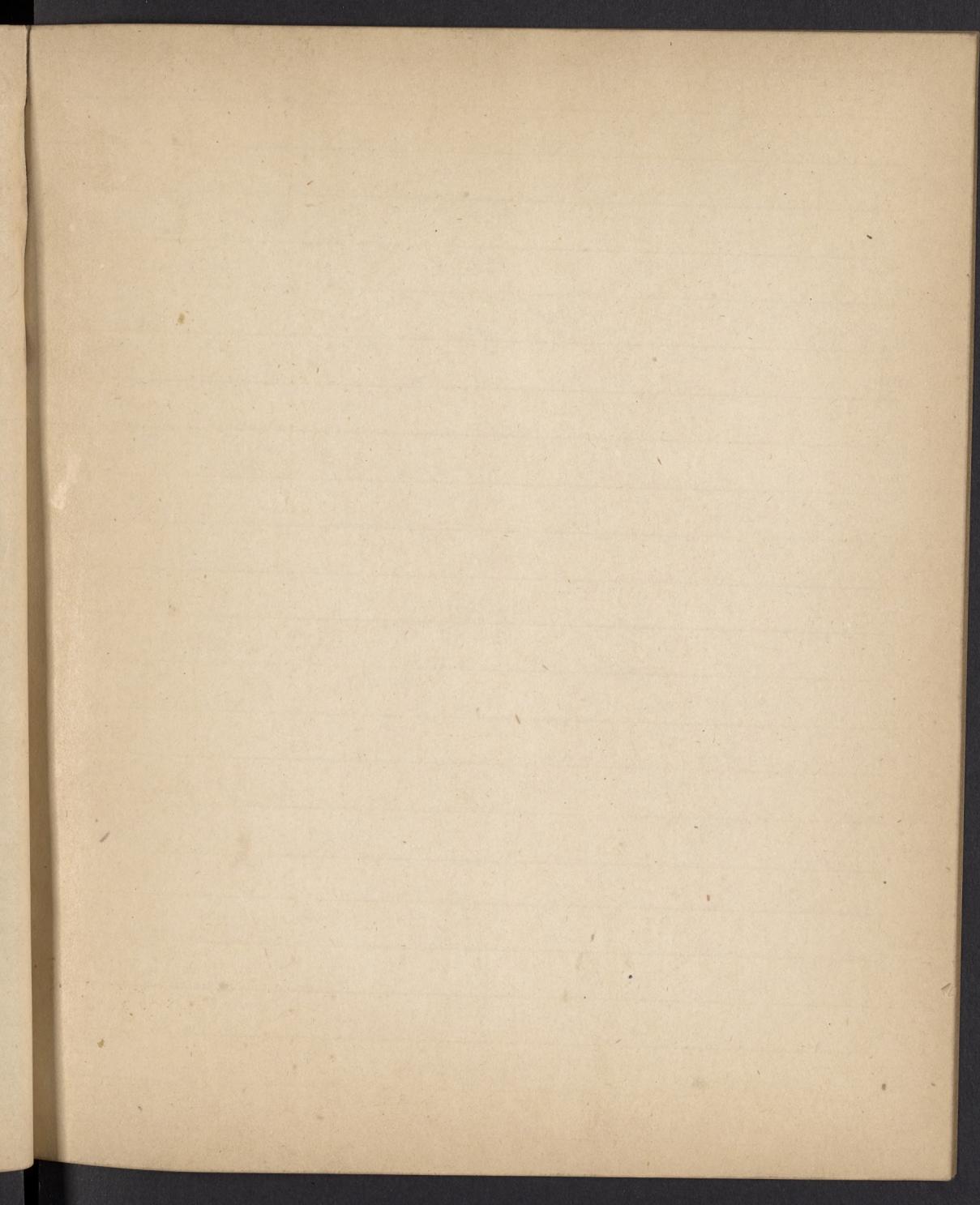


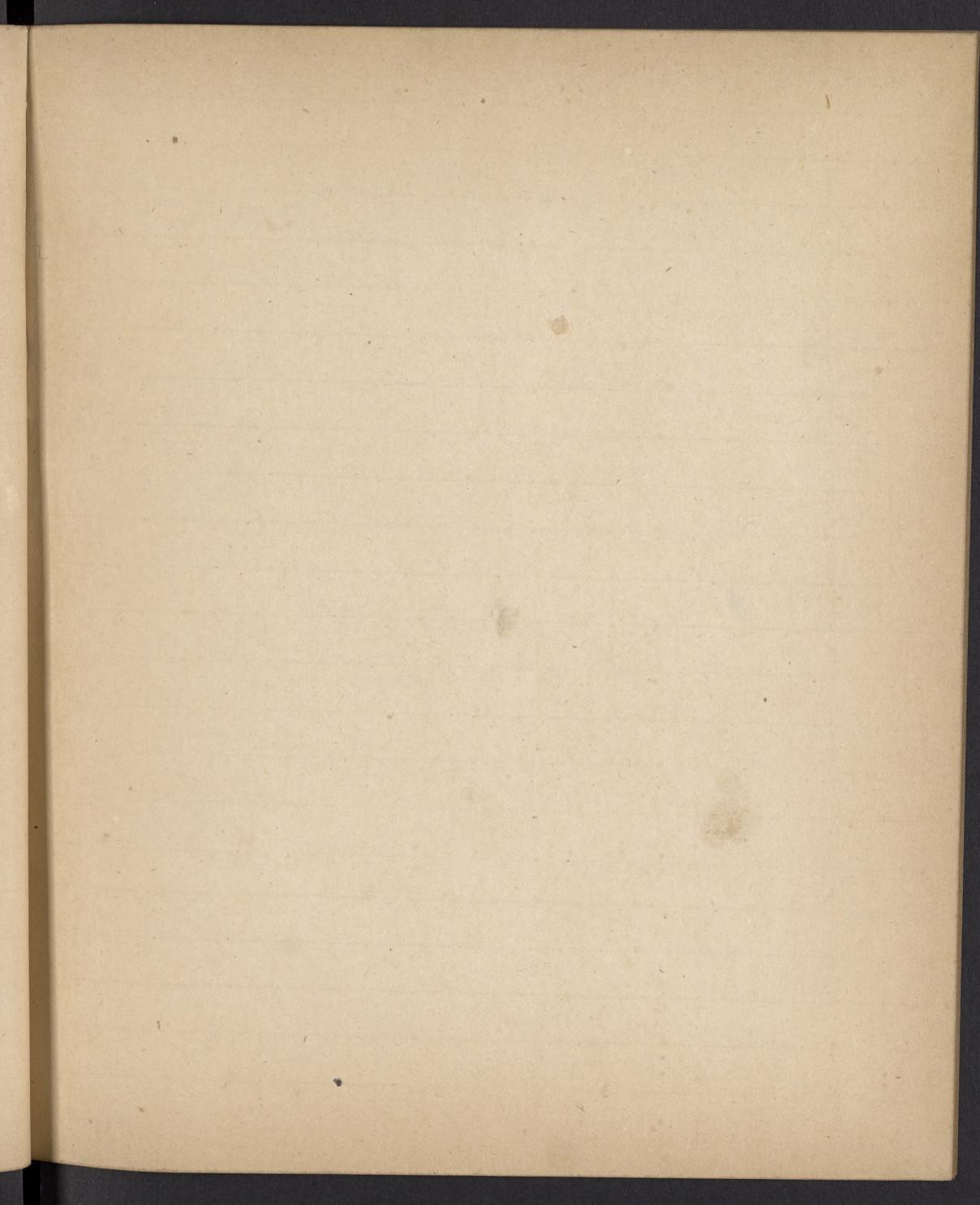


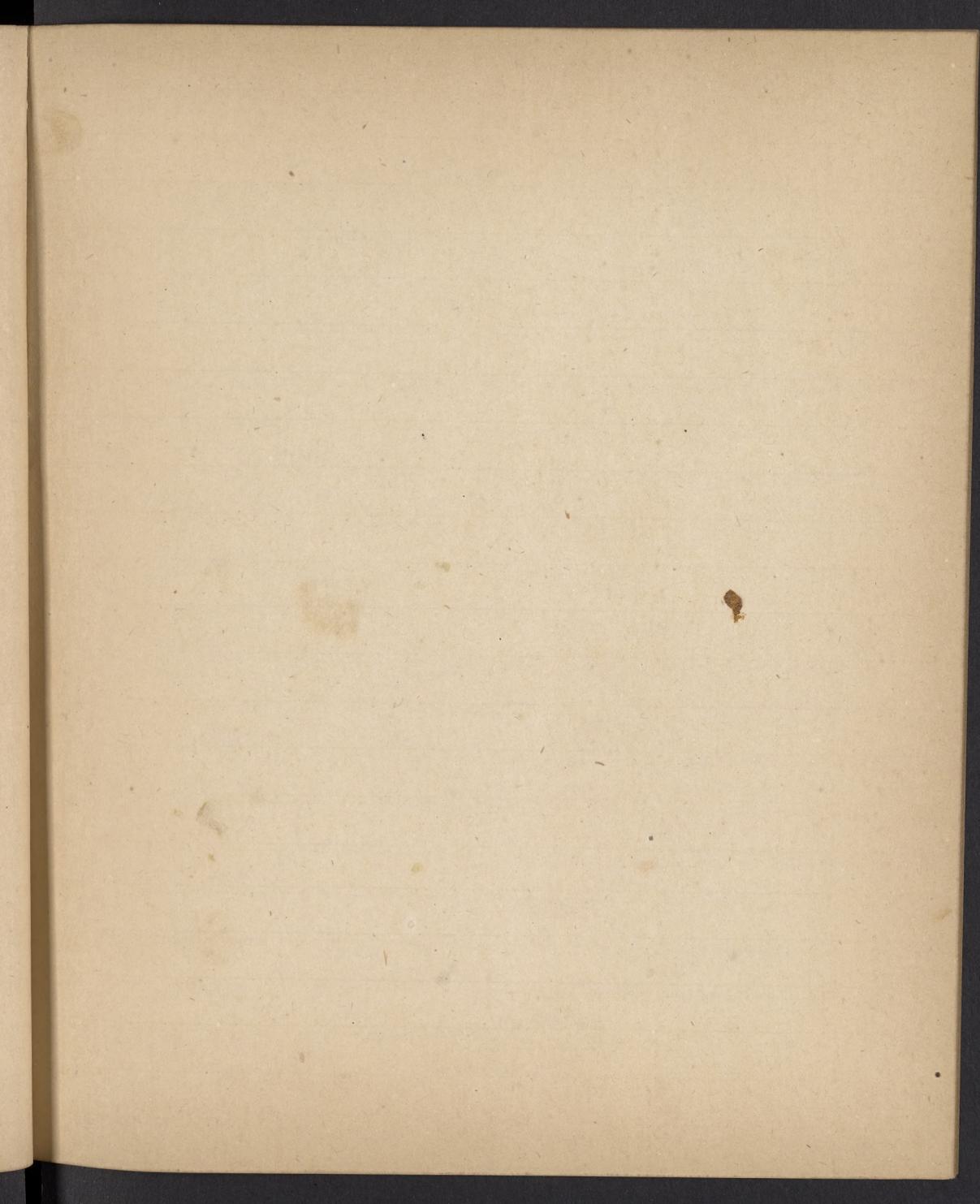


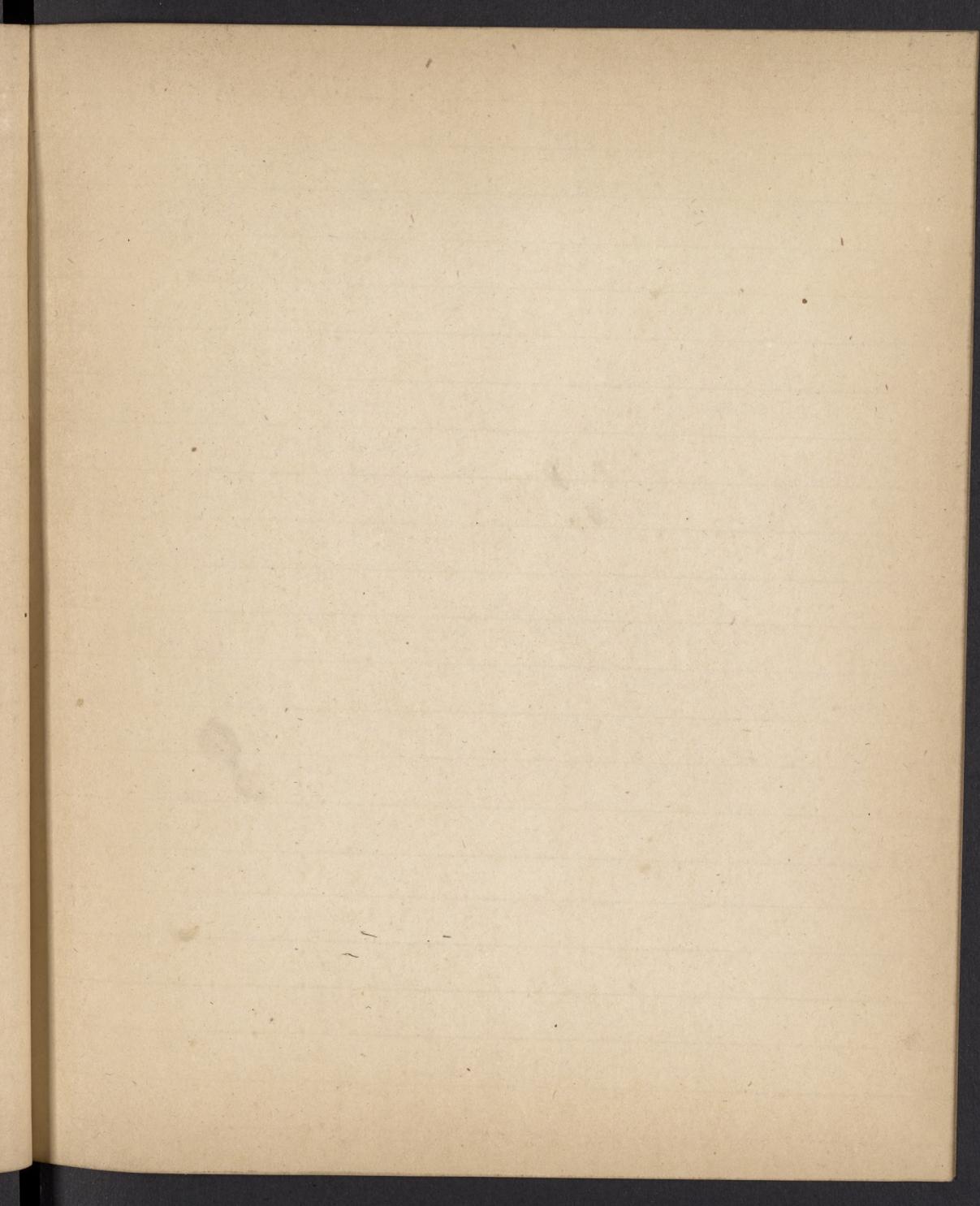


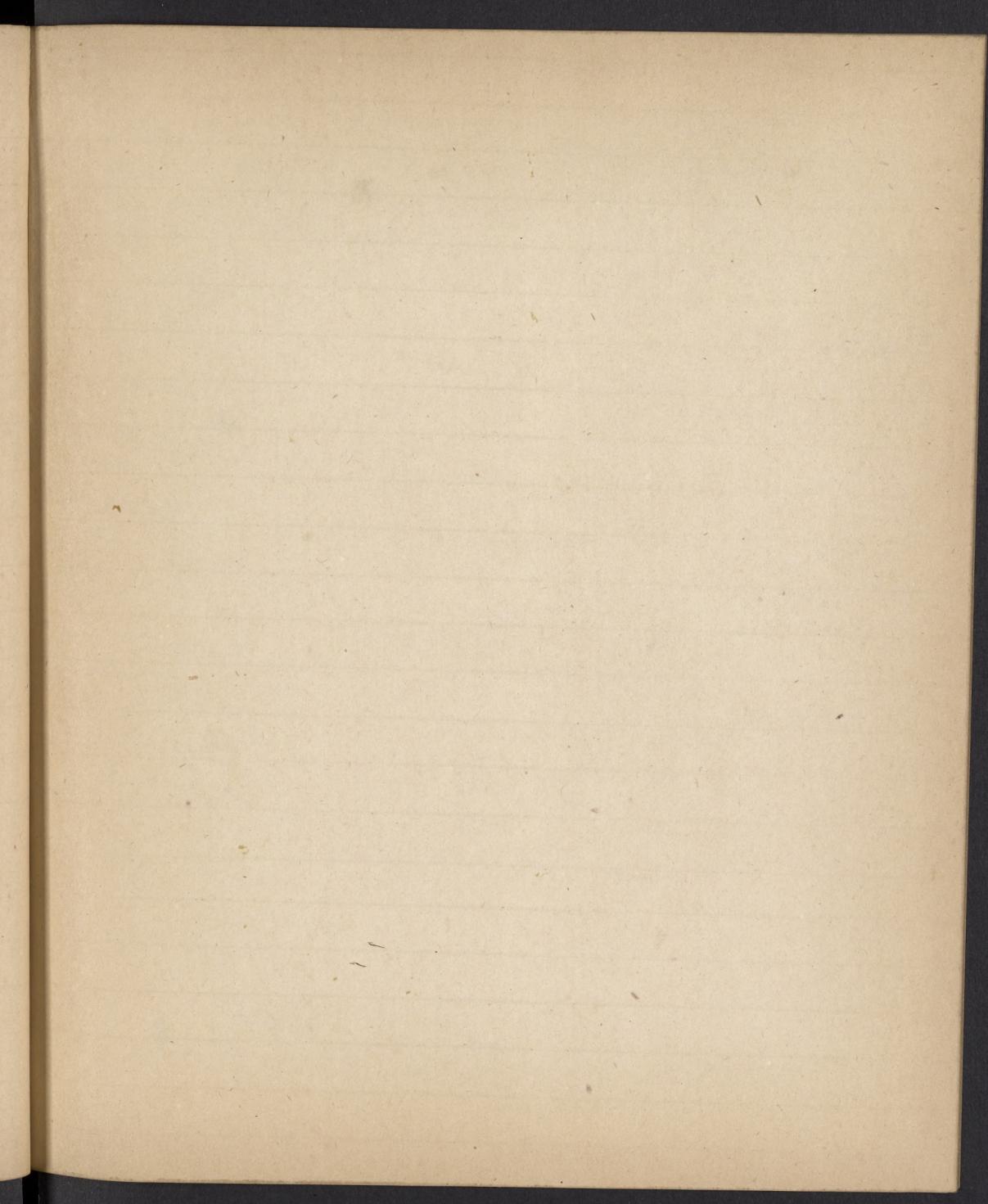


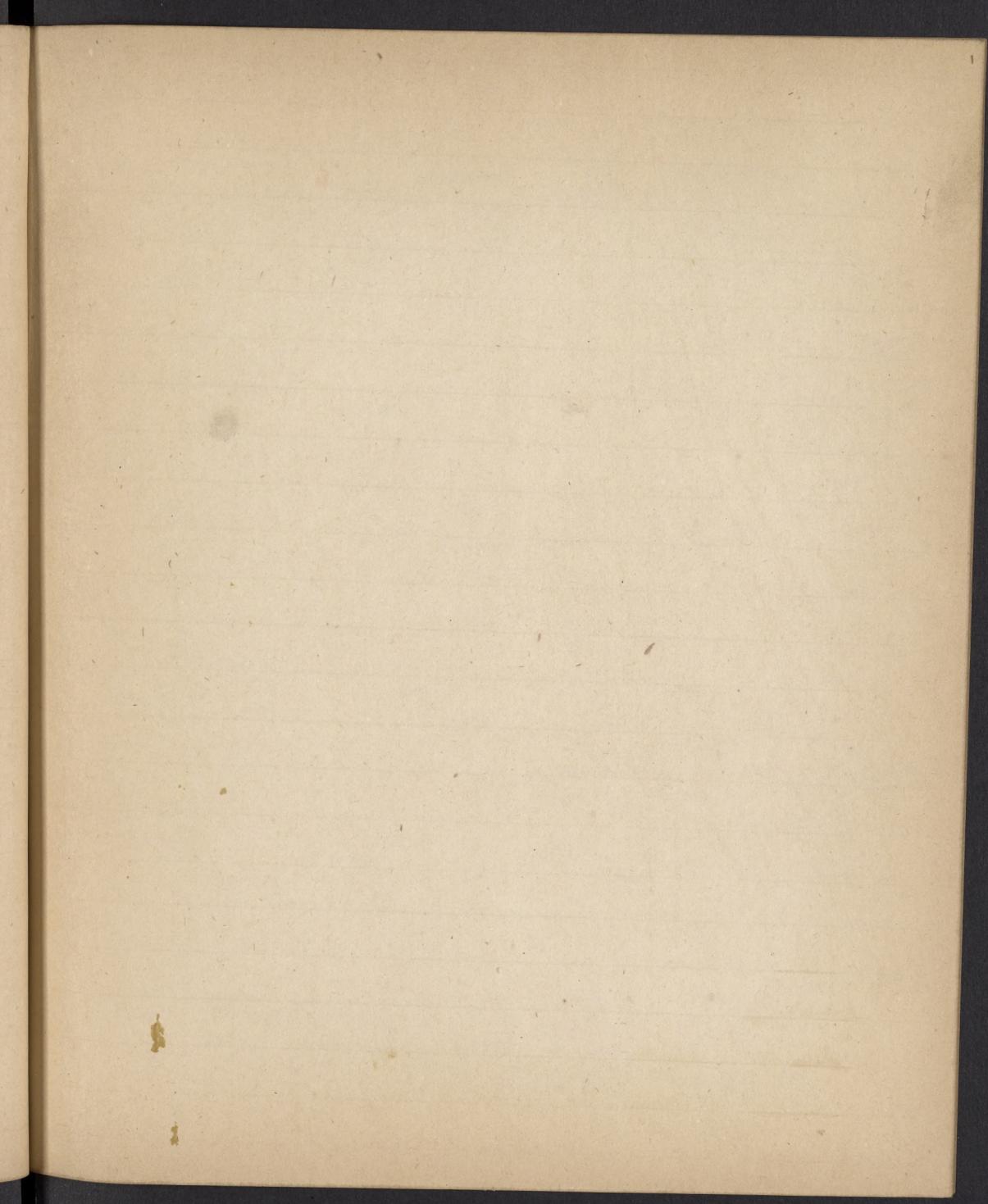




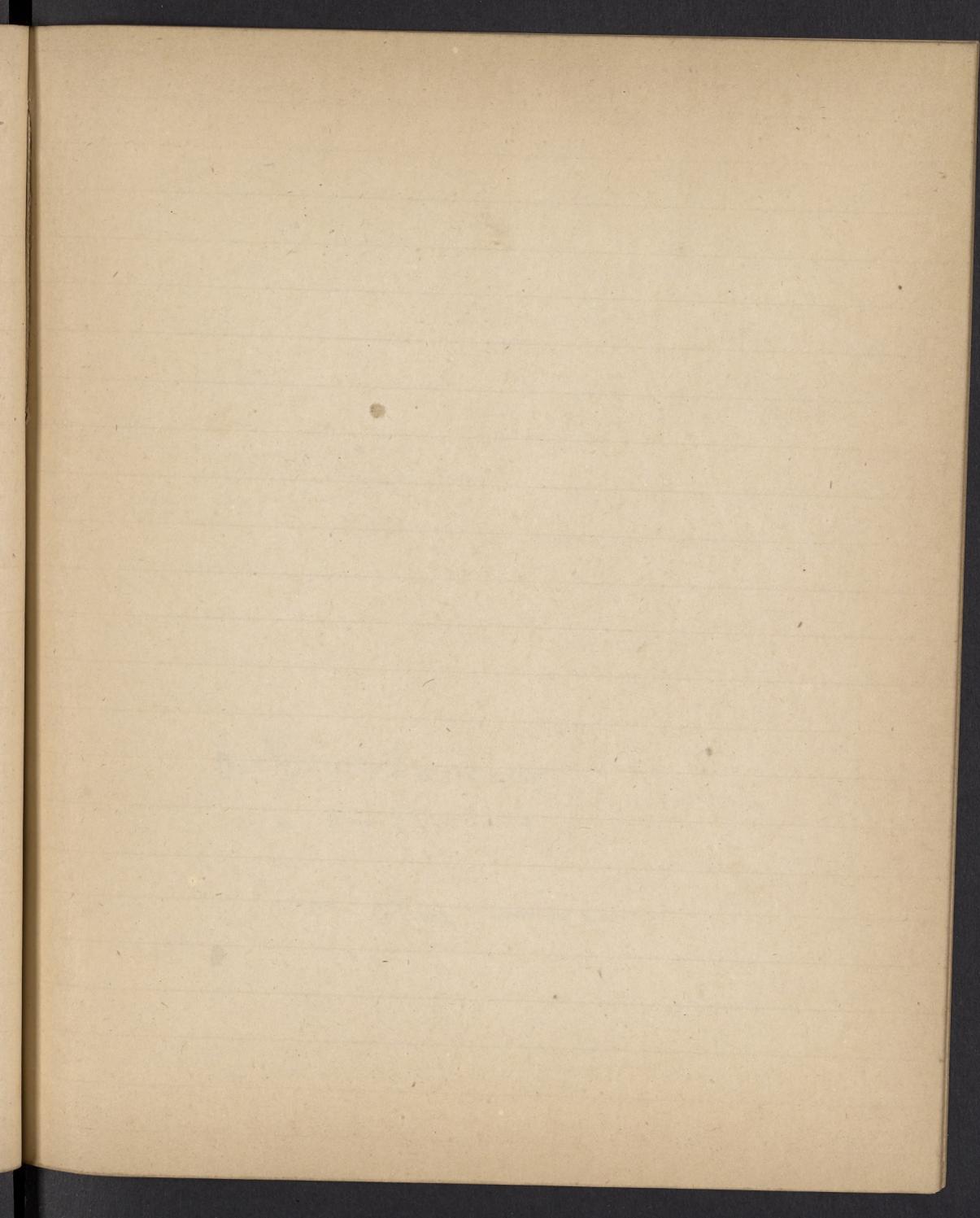








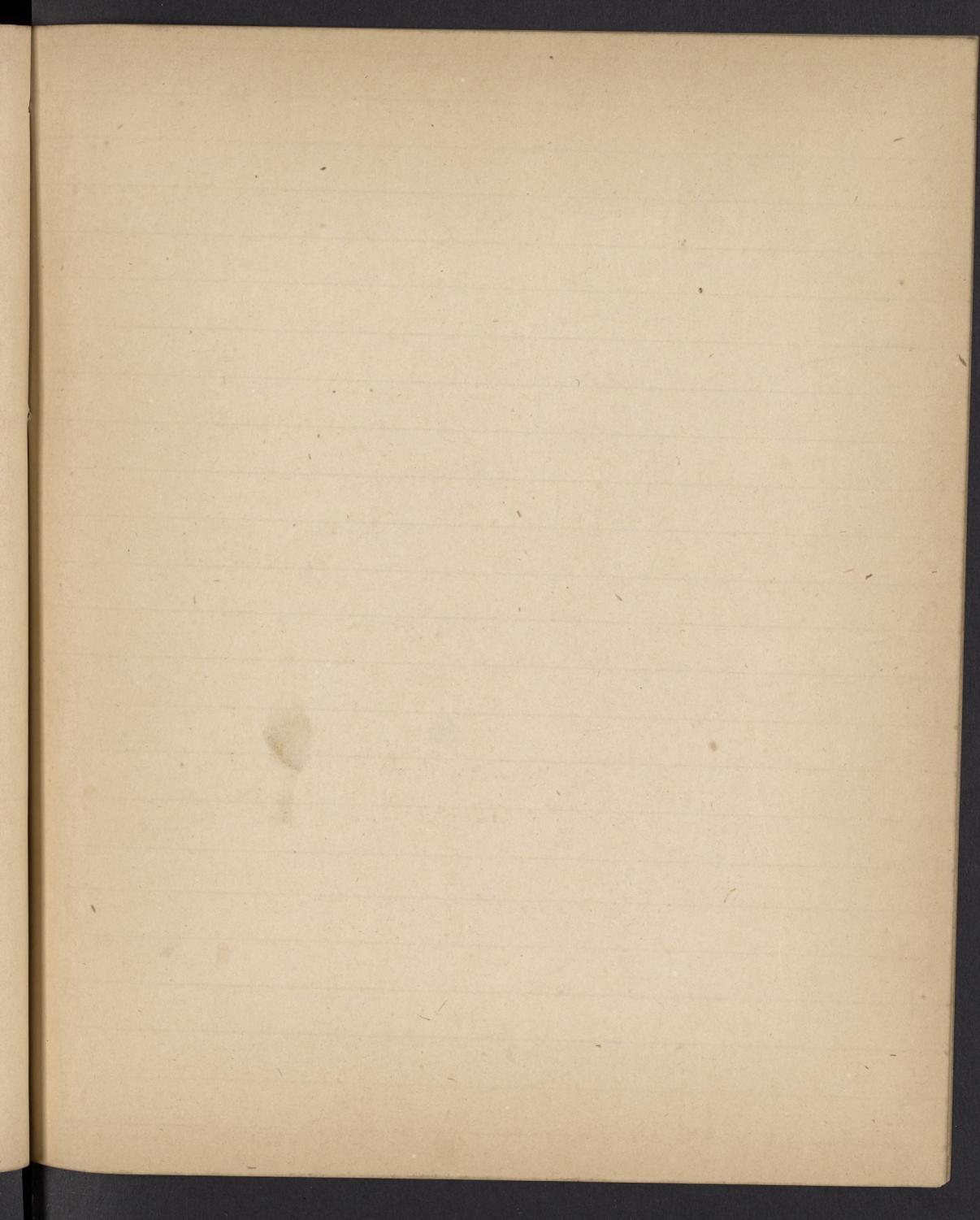
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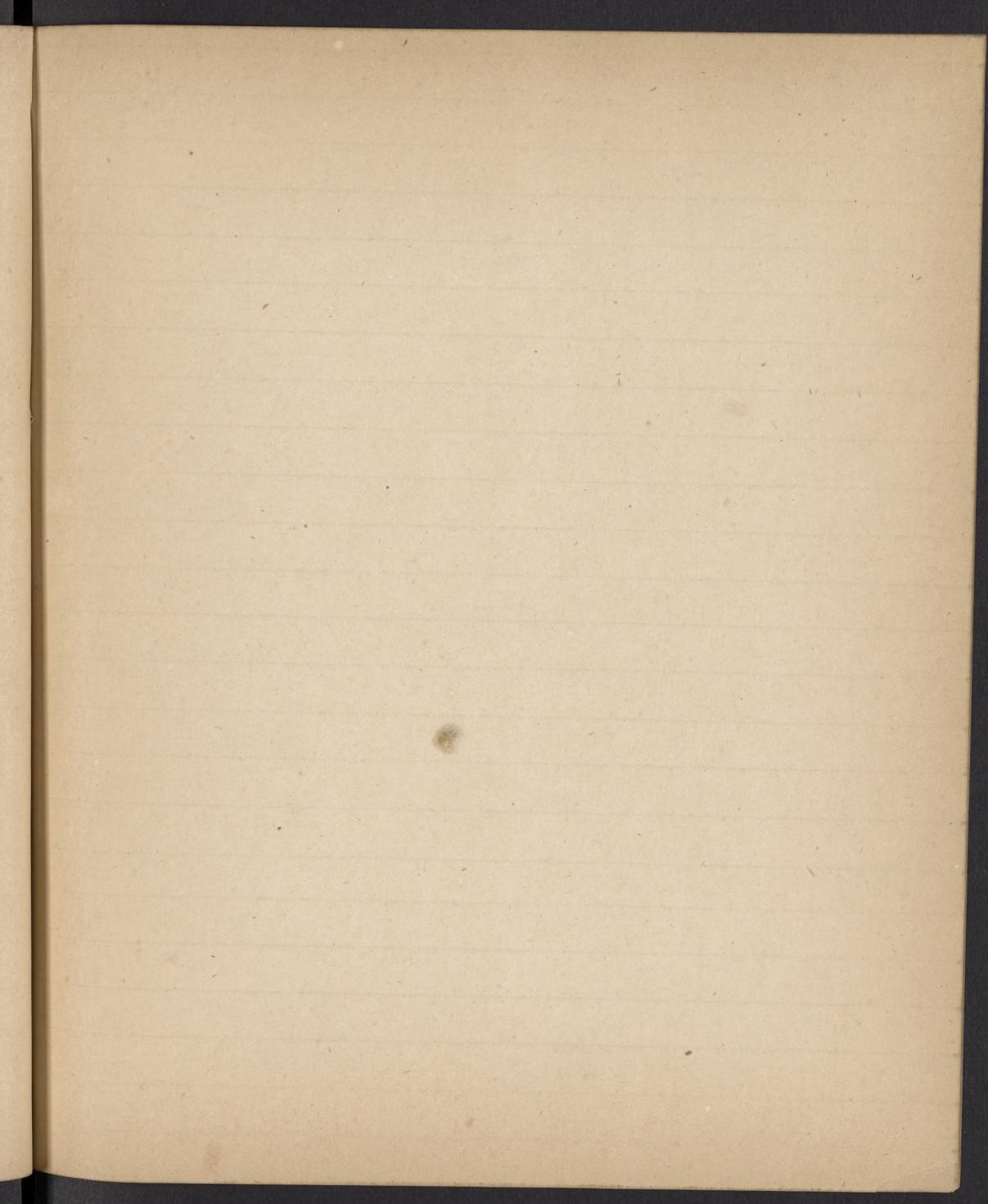


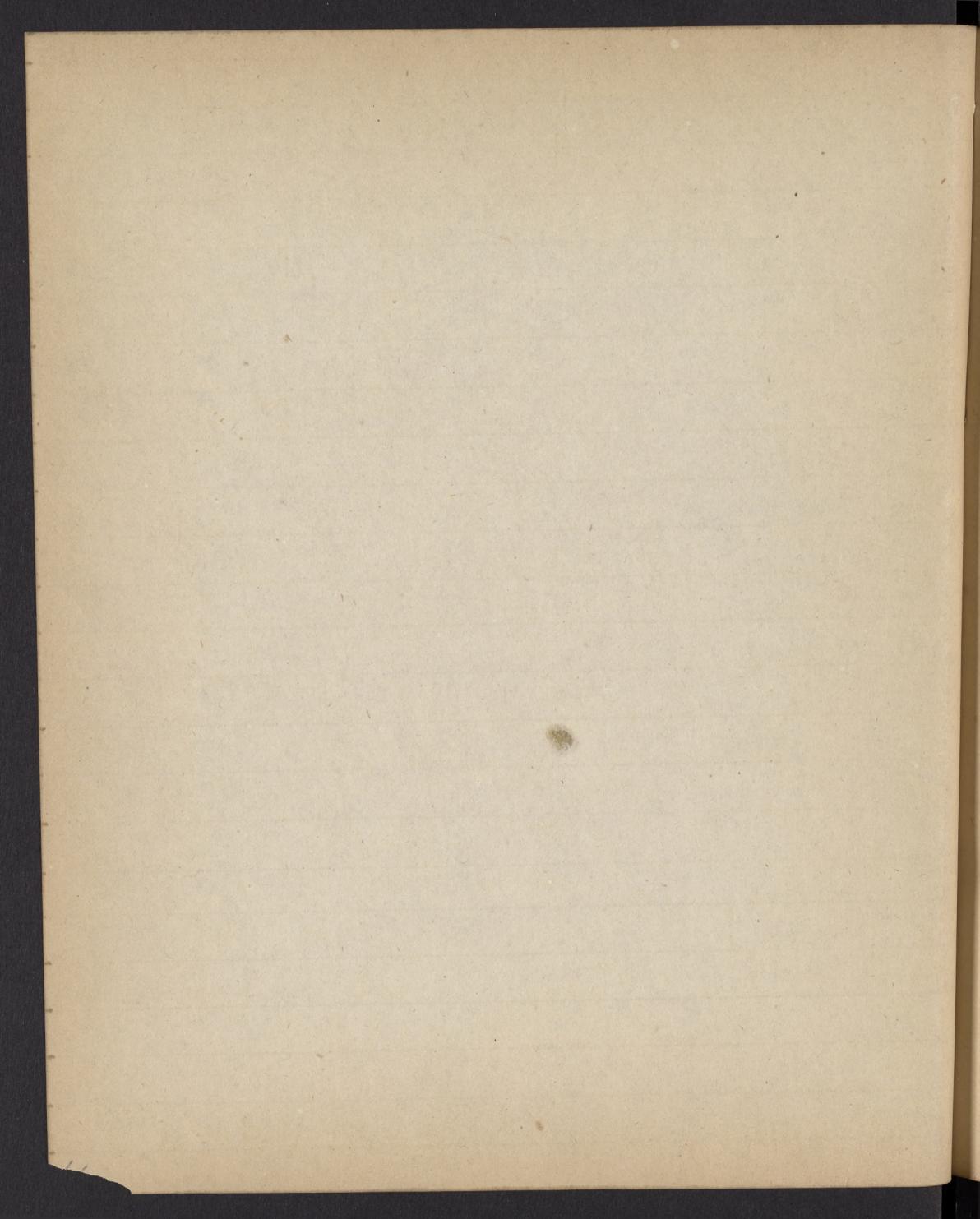
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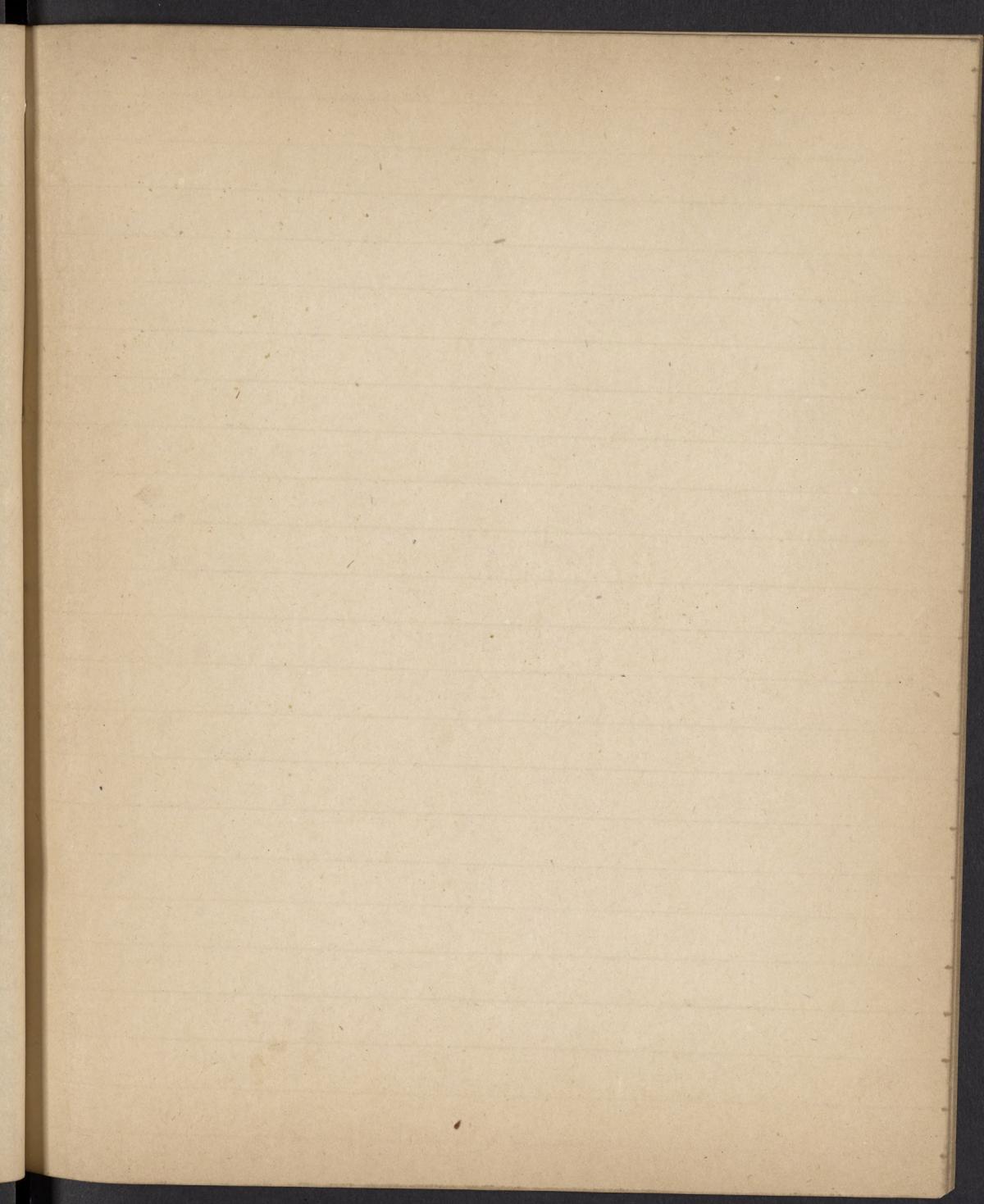
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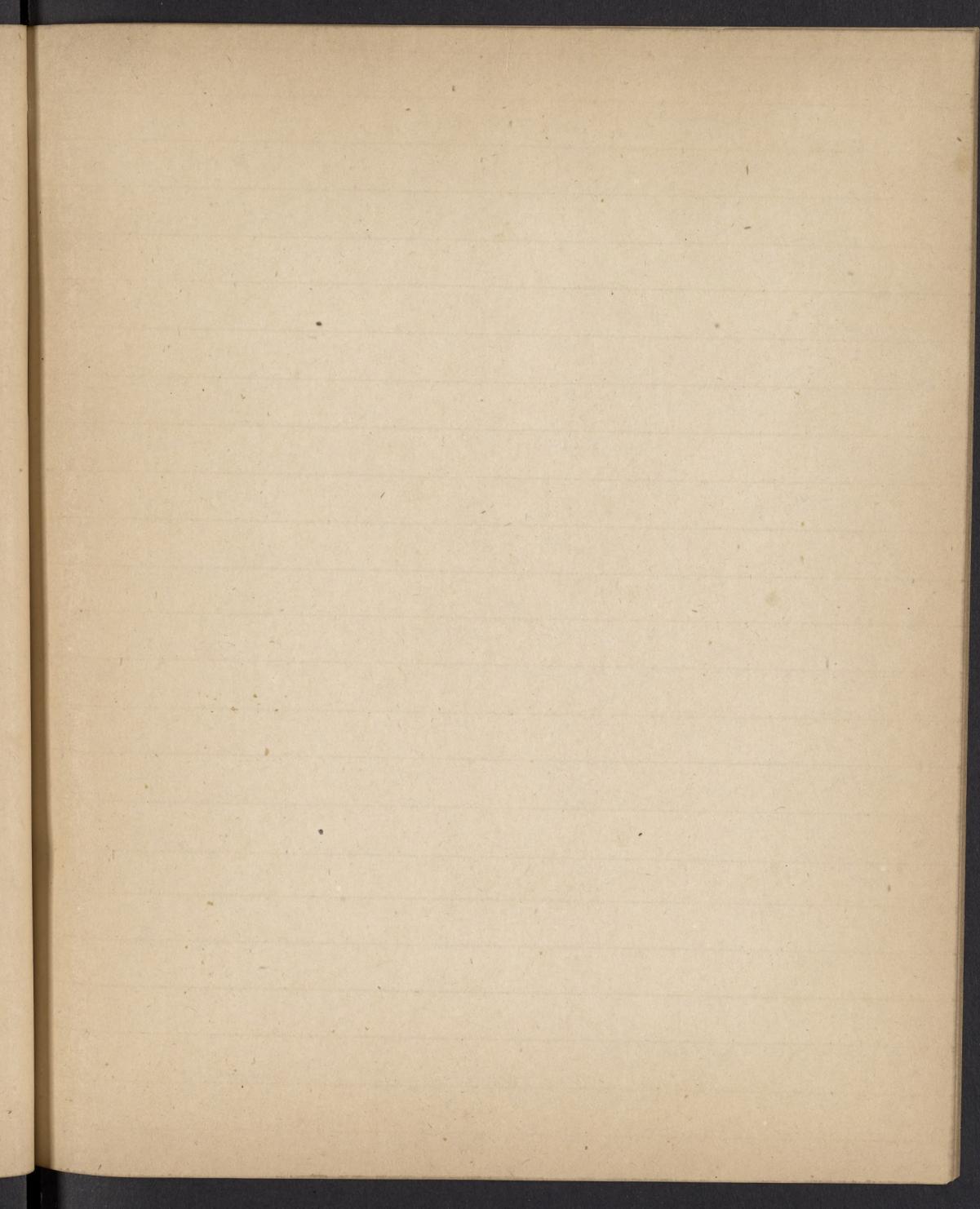
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many - many
of small insects - many
of which are very
small - many

cases, result of withdrawal &c -
patients must give Opium
+ a certain quant. of Alcohol to
save life. Op. gr. 4 every 2 or 3
hours. Brand - 3 fls every
2 or 3 hrs. gradually withdraw
it to allow elimination
of Dr. Valerian. By - 3-4 times
a day. Blister to back of neck
will often procure sleep.

R - common form Alcohol with
Wormwood; it is a nerv. Sedative
& disguises taste of Alcohol.
Don't cheek action of emetics.
Warm baths &c to aid elimination
of Vaccinium vomit - blister
Tromph. or Ag. Calc. Nag. Cin-
nam - see &c.

Either not useful except for the
spasms.

Large doses of Digitalis - don't
do good except as diuretic -
Dr. never uses it.
Send patient to public Institu-

with impunity. The sure the
better & the least liable it is to
being in "mania a poti".

Tobacco, Opium &c may bring
on such symptoms - So over-
work, but not the peculiar
delirium & specters of that of
alcohol.

Pathology - has been supposed
that over stimulat. brought on
a depression, exhaustion.

It is not result of cerebral
exhaustion fr. withdrawal of
stimulus, but fr. the presence
of Alcohol in the blood - though
by Englishmen.

Dr - thinks it due to irritation
of alcohol on nerv. system,
but that its withdrawal
causes exhaustion.

Treatment. In mild cases,
little is required, but a few
doses of Opium to calm
nerv. system. In other

May not pass beyond "horrors,"
Sometimes a sort of periodic
insanity - fit on a terrible drunk
once a year or oftener.

"Mania a potu" shall be limited
to cases in wh. there is wild
Delirium fr. Excess in drink -
Alcoholic Saturation here -
Symptoms of meningitis except
headache & fever.

Danger - first attacks rare
fatal - every attack leaves
its mark - liver or kidney being
more or less impaired & elim-
inating more or less prevented.
Less serious when it results
fr. want of drink than when fr.
Excessive drink wh. is kept up.
One is less dris. Ventriculus may
contain serum of an alcohol
& odor - fatty degeneration
of kidney or liver.
When emunetosis is active,
great quantities can be taken

being positive that all sorts of
things are running around the
room. Sometimes they think a
demon is pursuing them - then
they are apt to injure themselves
or their friends. May jump
out of window &c. (Dr. saw a man
in Arch St. in his shirt-tail.)

(Picture of man's visions)

{ Tremor - Sometimes of whole
body - every muscle contracting.
Pulse small & frequent - cold
sweats. At first sleep is
disturbed by disagreeable dreams,
seem like realities. Nescoria
comes in later.

Dipsin breathes, high col^o
urine vomit^t; icteric hue.
Pupil contracted - frequent
fing. pulse - cold & clammy
skin, emulsions come on
later. Stupor, like that p.
abuse of Opium - caused
by hasdrin const. of brain.

as Counter irritants. Opium,
Solvent large amt. of Opium - Jr. & S.
Prof. every 2 hrs. for days.

Inhalation of Ether -

Catapulm. & Tobacco too depressing.
Belladon. Hyoscyam. no better
than Opium.

Cocac. & Alkalies of Rhumataic.
gastro-intest. irritant. St. Gentian.

Delirium Tremens Delirium
by Alcohol. Delirium, nervous
Tremor & insomnia - Very com-
mon in this country.

When mild - "the horrors" - any
sorts of imaginations - dispond.
Later imagine they see or hear
things - they know they do not
exist at first, but later in the
night they think they certainly
do exist. Later their judgment
becomes impaired or destroyed
& they are perfectly miserable

P. 22 - no organic lesions.
Strychnine may induce artificial
attack. Comst. of Sympath. Syst.
has been said.

{ Dr. thinks it dependent upon a
constriction of spinal marrow - may
not be found p. 22 - blood leaves
and columns & frailous to
pass. Paroxysm, result of
reflex irritat. Similar in path-
ology to Epilepsy & Chorea - in
the latter a want of coördinating
power. Comst. of Spinal Cord &
all. Misitus Nascentium
occurs 7th day of life fr. inflam.
induced fr. injection of Umbilic.
Cord - not in healthy children.
Pressure on bones of head may
cause. Child can't nurse
& its body is constricted - black
feet - face black.

Dr. Smith. Cuts, blisters, etc.
See Dr. Lenhert & Dr. Gauthier.

In the body is cold.

Doctmnt. of Catalyses, same as
for Hystericis.

Feb. 27th

— Yetanus — means to Twitches.

Cinnmon Traumatic — Sometimes idio-
pathic. common cold, sore throat - rigid
jaw - Epigastr. distress - ticked in linea.
Palms contracted. — nostrils expanded -
mouth firm closed. Paroxysmal -
sometimes very severe pain - occasioning
dyspnea, dysphagia, incontinence -
invol. discharges - are fr. contraction.
Idiopath. Contractions less violent.

Amispachayns - hot sun & cool
night air - West Indies. Congist about
spinal column. Yetanoid Thuma-
tism Sometimes. Opisthotonus -
Dysperosthot. Pleurothot. Trismus,
Dyspnoea - less so in Idiopath. than
Traumat. forms. Exhaust patient,
or may find in inaction.

Constrictions of muscles.
Sometimes oblivious, sometimes perfect consciousness.
(Opposite form of hysterical
mania, instead of chronic con-
tractions. Patient said to
be in a trance - death like
appearance of countenance
& scarcely see respiration.
Beware of burying patients
too soon in epidemics.

The dye mercur has the appear-
ance of death - The heart
may always be heard if lis-
tened for.

(Body livens enormously after death,
hence the suppuration often that
post mortem buried has been re-
ported to - fr. coffin being burst)
Fat persons don't get cold soon
after death.

{ Don't pack a ice too soon
+ don't bury in less than 24
hours after death. Don't make

83

resembles organic disease.

Chronic vomit - often seen -
great spinal tenderness.

Eat largely & immediately after -
wants vomit evry thing -
don't have their bowels moved
more than once in two months.

(Rebecca Wayne - Penna. Hosp.)

Treatment.

Look to uterus -
digest. organs - give tone to
ner. system, vomit, diet,
Cheerful society, topics, avoid
depresso causes. Small
doses of Belladon, Valerian,
Hysop, Camphor &c.

Catalepsy,

A form of hys-
teria - means to "Lie Budder" -
eye often wide open - features
may be pale & deathlike -
patient remains in any
position in wh. placed - tonic

profound oblivion during attack,
as in Epilepsy - Has occurred
in nervous men. Mental
motions may excite it -
Mild disturbance.

{ No pathological lesion.

{ Pathology - A convulsion, inj-
uring about the spinal
organs in Spasm - may
be fr. affect of Gastric
System. Never fatal.
May produce hysterical
insanity - patients shrink
to decline physician -
It is an insanity - don't let
them know you suspect them
of trying to deceive you.

Hysteria called "Protein dis-
ease" because it simulates
so many diseases,

Don't draw off her water -
let a nurse do it.

Hysterical paralysis is syn-
Sometimes - Contractions

quit always cur.

Prepare the Tyslins & supl.
of Quinin, Arsenic &c

P.R. - 3^l balets & mæs
Dr XXX - Suppl. Quin.

Dr IV^{II} - Inf. Belladon.

Dr Vuy - Inf. Ignat. Amar.

H. P. 3^l XXX.

Dry. in 3 times a day.

Hysteria.

Hysteria. Nervous palpitations, flatulences, crying & laughing alternately - Symptoms convulsions come on - Hysterical fits. Scream, convulsed violently, mouth closed tightly - Spasmodic affect. of face - Sometimes onic Contract - parts keep any position in up. they may be part. May last days, hours or weeks - slight somnissions - No profound sleep after attack & not

Rifles with - Tonics and
Tyrines.

{ Other associated with in-
flammation, leech or cup.
{ Of Conyza, blistir - derivatives,
cup over spine removes con-
gestion - apply blistir as a
subfascient over painful
spot in spine - don't leave
on too long - increases Conyza,
At. Belladon. Solut. of Campt.,
Aconit. or Bry. Tinctum,
Chloroform. - Bt. - Potass.-
Spurred Zz - Aging - Zz -
Oxydromic treatment - Caut
Cure, but relieve. Audogynus
injected through minute Syringe -
Magnidris Solut. of Morph. -
St. XV - equal ~~St.~~.

Dividing the nerve does no good.
Nerve is reproduced. May
be cut out - but nerve of
motion may be divided in -

of hip - man difficulty in moving
of some fever. Of in trees of men,
equally distinguished often.

Gonalgia pain down to knee -
Look at ays & rashes of pa-
tient - See if buttocks is flat-
tened. Muralgia of chest - {
not so much of interest. Spasms
as on ribs. Pleurisy - ~~Breath~~
friction sound.

Submamillary region in
females with drooping & palpitation
don't conforid with affect
of heart. D-thinks Angina
pectoris is due to over distension
from of left auricle.

Gastralgia - of stomach.

Diarrhoea.

Avoid causes -
Exhaustive discharges, food
will be given - Stop hard
drudgery - Rest & functions
of all organs - remiss

Disease causes Neuralgia.

Rheumat. affect. of head close
resembles - it is said neuralgia,
will be called Tromatalgia.
Pendirs life a teacher - not
dangerous - sometimes ends
in insanity, especially "Bifa-
cial neuralgia".

"Bifacial Neuralg." - may be also
about &c and great pain -
usually one-sided - disappear
suddenly appears elsewhere -
it may be seen in the brain -
where nerve makes loop.
Inflamm. of frontal Sinus or
Antrum may be mistaken -
but pain is more persistent,
& some fever.

Scalpico - down buttock
& back of leg - forms
more commoner from mis-
placed uterus or fecal
accumulations
last of limb &c. Rheumat.

constit. disturbance, apt to termin.⁵⁹
ap. in copious secretion.

Cause - Nerv. tempe- females -
35-45 - during menstrual period.
Loss of sleep, head smart & bad
feet. Leucorrhoeic being Hindoo-
lens habits. Cold & dampness com-
mon exciting causes. Nerv. fatal.
Nerve has been found softened &
speckled injected. Nature - Some
believe it an exhalation of nervous
function. No evidence of inflam.

A functional disease. Congestion
will cause pain. Great pressure
destroys sensibility. Protrusion
intermittent-periodic - fits
come little redness.

It depends upon Constipation
Somewhat in the course of the
nerves. Tonics &c improve
health & those relieve passion con-
gestion. Syphilis, Pneumonia
resembles it - comes on at night
too. It is attended with effusion

Good diet &c increase red corpuscles & spin tone to heart.
Alleviating passing conjuncts,
~~Percussion~~
~~Revolts oblongal.~~ probably
most composed - ends at night,
Remove cause. Tonic as
in Epilepsy - Antispasmodic.
Balmin re. Don't overload
brain, take chl. fr. School,-
bathing, exercise &c.
Strong analogy, but, it's epilepsy
lasts more frequent in adults
passing conjuncts in diff. part
of cord.

Feb. 28th. Neuralgia.

Pain - very intense int. 4, not al-
ways. Men minutes & periods.
Dense like ^{bushy, sup.} sprouts. Not increased
by pressure, ^{but by suff.} palpation at night
full - may last minutes or
hours - may be periodic -
spells but not intermittent.
No evidence of inflam., & little

57

appear, Rheumat, Dialectics
often attended - produced
by Rheumat, inflam. of Spinal
membr. Bellous murmur fr.
very Contractile of Columnar
Carniae. Rare in old age -
more common in girls than
boys. Diff. confound with
Spasm fr. hysteris, inflam.
of spinal cord &c. Nervous
complaints often manifestations
of obstinate habit to relapse
ending in temporary paralyses.
No Patholog. appearances.

Nature - Mr. Hart thinks it
an affect. of spinal nerves -
Carpenter - Cerebellum.

H - thinks it neither - very
frequent, nothing but an
Exhalation of nervous system
Spasms caused by intol.
Passive compst. of Cerebellum
or medul. oblongat. often exist,
we have anaemia. Tonics

with fits &c - pedagogic, flop
child. Limping - irritability -
involuntary. Convulsions now
cause sense of exhaustion
& mind is not impaired for
work. Good health perfect
fixed.

Locae form - incontinence
of urine - bladder contract.
Stammering another form.
Cough - spasmodic - Asthma,
dysphagia &c.

C. Salad - p. praecox bows
made in disease -

Occasionally perfect per-
iodic.

Causes - Any thing dis-
order in nervous system -
intest. worms, Mastis-
tation, too much sleep -
disorder menstruation -
any reflex irritability.
Children who have had it
apt to have it wh. Catarrhea

53

can't find local cause. Arf. Hill
has been largely iron - colors
skin. Prof. of Copper - Ammonium
Touber's Solution. Don - Dr. zinc.
Loin. Sleep. Antispasmod? -
Belladonna, Nyosogamus
Leonurus. Bromide of Potassium
thought to be better than Iodide
by Dr. Brown. Squard, Valerian,
Assaf, Musk & Camph.
Primula juniper heath.

Chorea - Meays dance
"St. Vitus' dance". Irritability
of temper, fidgety, startles by
any noise - followed by convul-
sions more frequent in left than
right arm - this probably
being weak side. Face very
much affected - grimaces -
shutting & opening eyes - tongue
protrudes & jerked back -
Pain instead. May end

Tracheotomy, save life & often cure patient by having a permanent opening - keep plug in hole & pull it out wh. attack is coming on - prevent compression & poisoning of brain. It's doubtful whether operat. is justifiable. Arg. Nit. has been applied to larynx to destroy excitability - unsuccessful.

Morbif. matter retained in blood by int'l lesions or disordering perim. assimilat. - Supposed to come - don't seem to be the case.

Cannigut has been applied unsuccessfully, except through irrigation.

Remove exciting cause - disordered mucus membrane, worms, Specula of bone &c.
Stop chewing tobacco (living in Penna. Hosp.)

Gin cones, mint, &c., if

what is going on around them.

Face not so much distorted,
Patient generally manages to
fall on a soft spot - Don't
fall in street.

Apoplexy has no convulsions,
but paroxysms.

May have feigned epilepsy -
The pupill is not fixed - heart
is not tumultuous, respiration
not sighing - Localis - Chosen
for being attacked; Not total
insensibility - Stick a pin in
him.

Vocalnt.

Having attack
give patient air & see that he
don't injure himself -
Sinaepicem to lower larynx.
Water in face - inject of aq.
Not necessary to bleed - Don't
attempt it - Can't control
hemorrhage.
If violent, have to resort to

Muscular movement. Centrif
Epilepsy; When due to reflex
imitation - Eccentric.

Many think True Epilepsy shd
not be due to organic lesions -
nor should it - Epileptiform.

Due to Exaltation or increased
Mobility of nervous system -
constitutes true Epilepsy.

Local causes often profound
& Epileptiform Spasms called
Epilepsy. Marshall Hall
thought it due to inability
of larynx.

F.P. - m - tumours, syphilitis &c
may act as epileptic cause, but
epilepsia predisposita must exist.
Hysteric has violent convulsion
often diff. to diagnosis.

Hysteric often in women
neuralgic & tetanic disturbance
and convuls less violent,
no biting of tongue no profound
sleep afterwards, no oblivion

may last many hours.

There is a mild form - looks like momentary reflexion, spasm about throat &c - very unmanageable. Mental insanity follows.

The longer it lasts the more diff. to cure - idiosyncrasy follows when long cont'd. Patient may be attacked at any moment - hence dangerous fr. liability to accidents. Hindrance - parties of unmanageable, Occlusio-
nally fatal p. Exhaustive,
Sometimes p. Apoplexy,
Sometimes fr. Asphyxia.
Cases of reported cure - probably often Convulsions, not Epilepsy.
Moral or Therapeut. agents may postpone attacks - excited again by many causes.

Etiology - Sometimes lesion of Nerv. Centres - Specula of bone tuberculosis &c pressure part of brain controlling

Feb. 25th. Epilepsy.

Means being upon. Convulsions
loss of sensibility - frequent drops-
peptic symptoms & irritability of tem-
per precede. Sometimes feel like
air passing over lower limbs -
passes up to head - not common.
General Sudden - patient
falls, convulsed, face livid,
tongue bitter, foam at mouth - pupils
fixed - pulse frequent,
lips & respirat. moist, discharges,
by contract. of invol. muscles.
Prof. durat. average 3 min. -
Slept in sleep afterward - Mind
Confused on waking - Sensation
all over body - don't remember
having the attack. Not always
noisy - may have scream -
Redness of conjunctiva
or blood spots on face when dis-
charge gone on a short while.
Sometimes frequent & repeated -
may be periodic, or series

D. agitans - old people. Same
Cause. Paralysis in same per-
sons caused by thickening of mem-
branes &c.

Facile paroxysis - Caused by
paralysis of 1st pr. of nerves - Can
not smile or frown on one side -
Eye opened or shut on one side.
99-100 cases trifling - result
of cold causing thickening of
nerves. Rhus nigrum glut.
Causes. Mercury, Small
doses. Iodine, Blisters, scars.
Thickening being removed from
1st. Symp. Amer. & Cement
Syphilis. pr. want of nerve
power.

A form due to fatiguing deforma-
tion of muscles - form of
crisp' palsy.

Must ascertain organic
cause to treat properly.

partial paralysis - feel like
tight rope around body.

Cups, layatives & counter
irrit.

Spinal Apoplexy - pain,
rapid paralysis - part affected
influence & locality of paral-
ysis. Breath. Abs of brain
processes.

(Meningeal Apoplexy occurs frequently
in children - effusion under meninx.)

Paralysis

Not a disease,
any more than dropsy, jaun-
dice &c. but a symptom of
disease of Brain or Spinal
Column. Must know cause,
if inflam. Antiphlogist?
If effusion - Pd. & sec. local
paralysis callo by Strychnia,
Electrolysis.

Cupr Salts - comes on
gradually p. impaired
function of brain.

47

Localis of parapysis depends upon
locality of inflam. Abdom.
parietes & diaphragm fr. inflam.
at middle part. Acup Col-
ums - loss of motion - post-
Column - loss of sensation.

Softening - red - Sinus or purulent
infiltration. Chronic - "Câbles
Dorsalis" - old, gouty people -
similar to white Softening of
brain - result of impaired
nutrition - due, pain low
down - loss of control of Sphincter
or lower extrem. Bed Dorcs &
& Spinal dcs.

Reakmt. Acute myelitis -
Hippocrate depletions, Counter
irrit. La Jaijou. Act. doses of
Calmur. Chronic form -
as in brain - no antiphlogist
Remes & nutritious diet.

Spinae Conus. Result of
Opposum - intense pain,

marrow.

Spinae miniriles - Seven
pair & spines of a long chain-
like - Syphros, or Opisthotonus.
Numbness, partial paralysis,
Visions if in upper part of
membr. May extend to back
& hair crown. Ornithia &c.
Damp - if in cervical portion
extend to brain - great danger,
if lower, partial paralysis -
may live a great while.
Devon Alluvium
below sea-level causes paraplegia,
Rheumatism, Cold & Flows.
Any action causes.

Treatment - Same as for marrow

Mycetitis - Inflamm. of spine
Marrow - Extent of former,
or fr. flows, const. cold.
Pain not as great as former,
no spasm, but numbness
& then paralysis - perfect.

when pushes too far - causes
passive congestion.

Result of paralysis following -
Limbs become emaciated - impaired
nutrition & leading to gangrene -
May be due to pressure of a
tumour or nerve supply to the part.
Must not endeavor to excise new
centres before removal of tumour -
induces congestion, trypot, or else
trig, fibrillation & passive motion
halt. Take care of bed sores -
keep bladder empty.

Strenuous exercise - plethoraic
Exercise, gentle way. Bleeding
disturbs circulation - provokes
increased action of heart.
Reduced diet.

Diseases of Spinal Marrow}
Not so well understood as disease
of brain - hard to fit post-mortems.

Meningitis - inflam. of spinal
marrow. Rachitis - inflam. of
spinal cord. Not necessarily

he live some weeks - firm coagula
instead of past clots. 2-3 mos.

Cyst. Still later a more cætiq.
Cough influenza fr. loss of motore
pleure. Thin & loquent - blood
vessels diseased, ready to break;
Moderate plethora phlebirosis.
Diseases of heart //

Hypertrophy - more common
Dilated trachea disease,
heat (*Coldieum* don't predispose)
Straining, passion, Excess in
eating & drink.

Pneumonia. Vigious Sputum,
tend to diminish it's a torso
& diverted blood. Pale - pulse
fable or doubtful cases -

One cup back of neck -
Cold to head - Sinapsism
to feet - perfume - O. Lij. 811^{1/2}
O. Olin. Bg on torso. O. L. Hendrik
by Emma.

Later blisters back of neck,
Bleeding sometimes ulcerous

43

hemorrhage. Occasionaly pallid face, small, contracted pulse - in white softening of brain generally in these cases.

Convulsion - paroxysm universal.
Apoplxy - " hemiplegia, then result of central softening in poor old people, feeble health.
Epileps. - Convulsion disease - no convul. in apoplexy generally. Loss of consciousness & Severe effusion known by albuminuria previous history.

Very dangerous - not one of three entirely occurs - patients more or less lame & mind slightly affected. Constant tendency to return. Often associated with disease of heart or preceded by white softening - impairs nutrition. Lower extrem. generally restored to health before upper & sensation sooner than motion. P. m. - Clot of blood common in central portion of brain. If

Feb. 24th

{ Apoplexy of brain.

Effusion, hemorrhage &c causing
certain symptoms have been called
Apoplexy.

{ Causes hemorrhage into brain
or meninges, causing loss of
consciousness or motion.
Common causes, on bleeding, may
be still loss of vision &c.

Bulging pulse, paralysis
on opposite side, swelling -
flushed face - ilated
pupils. Effusion occasionally
into right or left ventricle, general
paralysis & sudden death.

Occasional Connexion of palsied
side - Effusing then under
meninges. Sometimes
more numbness at first -
then paralysis & loss of con-
sciousness. But, it may
due to want of effusion or

41

hope of cure & not so great an enlargm't.
Cause - blows, tight lacing or ad-
vanced age of parents - offspring
of prostitutes. Treatment -
I cinchonate or palliation -
paracentesis may prolong life,
can't cure. Cases of cure have
been reported - probably well-form.

Tumors - Fibrous, tubercle,
Cancer &c.,
Scadashis, periodic of life -
Simulate Neuralgia - then
paralysis, convulsions & death.
Trotting faint, dilated pupils &c -
tumor found at base of brain
after death.

Suspect cancer of Cachexia.

Fibrous if result of a blow.
Treat accord to nature of tumor,
if cancerous can do little.

if mother is seropelous. Don't let
child go out in hot sun, Stud
too hard or get mad.
Acan-hydrocephal. Visually, -
Diffusion of inflam.

Hydrocephalus - Chronic -
May be constrictor or aequinoct.
Child may live for years - rarely,
If fontanelle closey, pressure
on brain. Sem. kites child.
Child emaciated, full voice
of mind, blindness, convulsions
& death. Bones very thin -
Can see through with a light
like hydrocephal. May find
fluctuation like a sac -
Many pints of water in brain.
Diffusion commences at ventr. -
brain becomes thin & spread
out - base not affected,
Exst. hydrocephal. On the brain,
not in it. Result of chronic
inflam. meninx filled - from

Coma & death. Increasing fatig.

Cause - Serpulous diathesis -
Tm dentilix funeralis; may be
 earlier. Reflex irritat. Causes
 inflam. & deposit of tubercles -
 anything impeding font. health,
 { Debris, (Auscult & inquiry history,
 Intermittent fever may occur you - look out
 for Squint & any signs of inflam. of brain.
 Any long contⁿ exhaust. discharge will
 cause these symptoms.)

Tubercles detected, past from
 our brain - especially at base of
 brain. Microscope required to
 detect tubercle. Xamine lung
 in cases of doubt. Centre of brain
 softened - in the fissures, deposits
 in course of blood vessels,

Treatment & acute - finite loss -
 Cutis & tissus back of neck -
 reduced diet. Insidious cases -
 don't give Galonie - Oi, Mort.
 Potass. Sol. Dress head with Ung.
 Iodin. Prophylaxis - bed nurse

Blister nape of neck - deeps
& directs, may blister head for
effusion. Great pain - but
Opium may be used - delays
irritat, & subdues inflam. in its
Pedalum action.

Chronic meningit.

Adult - Same Symptoms & same
Cause - delirium resembles
insanity. Want mild antiphlo-
distics here - comes in insanity -
No fever in latter, therefore less
tendency - diff. cause.
Tuberc. Meningitis - Children,
Cough, hectic &c, then vomit &
head Lymph. Semitemus
vomit, fever comes on -
Semitemus as ordinary
Acute disease - Contracted
pupils injected conjunct. -
Dysp - tach, nausea & vomit.
Lax dilated pupils, insensit
to touch or light. Opisthotonus,

37

obstinate vomit - contracted pupil,
at first - Cate. dilated. Conjuncti-
vitis - Stupor, Paralysis, Convulsions
& Death. Erysip. - Intense heat,
blow &c. Young children by large
amount of blood or reflex irrit., Irrita-
tions, applicat. Alcohol, then
nitric, impeded erupt. Not
so dangerous as Cerebritis.

Effusion taking place, absorpt.
process slow. Very dangerous.
Arachnoid, milky, thickened,
Cover with pus &c - Effusion in
Dura mater. Pia mater closely
adherent to brain - Various in-
filtrations, vessels injected.

Death - of brain & menin.
Autophagist - bleed, except
in young children or diphilid subjects.
Leeches behind ear - Cup to nape
of neck - Leech to Schmid, many
ice to head in bladder - persistent.

Purpuras - essential -

Calmel. & Salap. & V. a.

of fever - Chronic wast. disease -
Cholera infant.

Symptoms latent. Mind is
enfeebled, bad memory, gait
& speech affected. Paralysis
& contraction in opposite limb.
Effusion of blood & apoplexy
later.

{ Red Softening - Brain injured
result of acute inflam.,
Fright fever & spleen - End L.
like white softens.

White Softening - You infer im-
paired nutrition - denies
good food & eats by abundant
strength. Red Softens anti-
phlogistic treatment.

Meningitis - Acute,
Chill, intense headache, con-
tracted brow, acute delirium,
sometimes tow, sick
bed clothes. Pulse generally
more rapid, may be temp.

35

in some times. P.m. Brain softens,
dissolves red - cineritious posterior part.
vent. contain serum. May have al-
lases - substance indurates & slightly
yellow if softening occurs.

Cause - result fr. blows, alcohol,
exposure to intense heat of sun,
intense mental applicat.

Chronic - less marked - hectic -
paralysis, convuls. & deaf -
May result in partial paralysis
dimbility. cause - inflam. of
bones of head, forming Seales. Alter-
e. Irritation or softening makes
fors.

Softening of brain.

If serum exude or pus is infiltrated
it occurs, but it also occurs
fr. impaired nutrition. Brain
white, like cream, semi blood.
No evidence of inflam.
Blood vessels at base of brain
diseased, impaired nutrition
aged & sick persons. Low fevers

Crab's claws. Not very common.

Stimnum common local disease.
Smooth & pinkish. Looks like
Scofulous cicatrix. No pain,
no functional disturbance. May last
years.

(Here end ~~the~~ cutaneous diseases.)

Feb. 23^d Diseases of brain & spinal marrow.
Inflammation of brain - Cerebritis.
May have various tumors etc.,
Cerebritis - pain, not very acute -
deep seated, pulsating - often re-inter-
mittent. Can't tell seat by locality
of pain. Fever - pulse varies -
sometimes irregular, fast, or slow.
Head hot - pupil not fixed, either
dilated or contracted. Constipated
bowels, nausea vomit.
Delirium later. Paralysis opposite
side diseased. Very fatigued &
stressed - 3-4 days - may

Front of sigmoid cec.

Maculai hepatica -

Woman

in pregnancy - high living men.
Forehead most common may
 be anywhere - may be diffuse
 or in small spots. Microscopic-
Scalp - Long think it psoriasis
Variolated. Scalp not so ex-
 tremly as in last & much darker.
 Preston Upton's practice.
 Chapt. ointmt. ⁵ Dr. Bob. Any.
Suspens.

Cortes vera seems
 blighted or destroyed - follows
Erythema - L. Erythematosa,
L. non Erydins - don't ulcerate,
L. Erydins - ulcerates & is indom-
 itable - muddles with - gets worse.
 Attends to first health. Local ap-
 plications injurious - return after
 evulsion.

Onceroid, "Kiloid" - scurvy

black to white. May have black
white man or "white nigger".
Addison's disease

Ought not to be
cured - ~~that~~ means nothing.
Skin yellow - Emaciation,
nervous disturbances. Supra-
renal capsules in various
states of degeneration.
These bodies not supposed to
have any function.

They are near Seminalis
gland. Any pressure on them
affects genit. nutrition.

Capsules have been found
perfectly healthy after death,
so distinct of capsules no
disease has occurred.

Argent. nit. leaves a
blue residue - No cure.
Mothirs' marks, Nasus -
Albus - absence of pigment.
They become brown & sun-
burn. Freaks - Cocac

31

like elephant's leg. Have been dis-
pulated for it.

Famboisiae

Same size & shape
attacks especially Negro & Africa-
nais to be contagious. Blood dis-
ease - leaves animal & mal-
ignant. Unies, min. acids.
Gums " another name - looks
like raspberry.

Mollusca

Gummos from
pig's head to pen. No pain,
not malignant. Contains Leba-
cerus marinus. Sometimes all
the members of family have
it. Not contagious. Has to be
stripped off. Mid. treatment
does no good. White pendulous
masses.

Maculae - 8th Class - last. }

Slâius - various
discolorations fr. disorders function
of skin. Have every shade from

Size of pea or hickory nut or
brow or face - Salymāsis has
been called. Not always discov-
ered. Norway. Said to common
here - Not common in this
country. Not of Spph. origin.
Cynicilac - Trt. Chilazius,
Mal. Mombi or albuminosa
Chamaetus. May attack
int. organs. Loss of sensibility
by part attacked
May ulcerate. Treatment
not very efficacious - Hpd.
Ddri. Nos. Local & more
harm than good.

{ C. of Arabia - may attack
skin - Barbados by?
Hot climates - don't know
cause. Inflamm. of skin fol-
lycles. Mild cellulitis
very inconvenient - not very
dangerous. By becomes
numerous enlarged & heavy,
discolored & seag - looks

not so common as last. Hendilaw²⁹
in Senileous persons. Small lamihalo
Scalp. Sometimes joints are rigid -
discolored. Lower extrem., Hand, face
often rarely affected. Females, more
common in male. Almost hopeless
if concretæ - pustules with coarse
cervel & flesh brush - thr. per day -
Put in. Dr. Monk. Slim Skin by
all sorts of things. Heart is
perfect, notwithstanding a mass of
terrible sebaceous follicles.

Erythema on skin seem to be
various of these - Microscope
shows it projection of sebaceous
follicles - may affect any part
of body - Lattysisis spinosa - Emolli-
esplikat. & poult. often left with
asthma. Gag. nit. &c.

Poxosa. Tuberculosis Indurated
prominences of skin - Elephant-
asis, not an erupt. affection. Syphilis,
Tentaculosis or Elephant. of Grulus,

Moriosis - little papules & white
Scales - like Leprosy. Don't often
assume annular form - Leprosy
does. Supposed to come to be either
Leprosy or advanced stage of Scabies
or leprosy. P. latiglis, Salmanis,
Sarcolatis &c. D - don't think
it a distinct affection.

{ Palmaria

Means train

Feb. 20th

27

Squamiae - Scales of actinic
epidemias - not actinic pell.

Chronic, non contagious - rigid
of Articularis affected.

Repro

Leprosy - Slight
brick dust papules, white scales
follow - patches h-guttata.
L. Vulgaris - Annular form - On
cynanche go with white scales.
L. diffusa - Scattered, & dyed -
various shapes, & sometimes a little
dark - L. nigra. Syphilitic -
Syphilitica, L. inoderata - Chronic.
Supposed to be connected with syphilis

& is hereditary. Crusts improves in
Summer - aggravated in winter.

Difficult to cure. Guaicum -
Buleaminga useful.

Ang. Pol. Picard, usipg. Ang. Fine
Ox. of invisible. Donovans or
Fowler's Solution - Difficult
to cure.

low & it reverse.

Chronic Slap-Sum. washes.
Sycosis -

Means "fig"- Small
pustules - "mentapta" - p. esse
faciat affecting chin-beard.
Pustules become confluent.

Cryptogamia plant. Affects
follicle. Wilson says no crypt
of any form. May or may not
be contagious & conveyed by
razor. Double razor is power-
ful irritant may act as
exciting cause, but dir
on face side. May affect
eye-brow. Some think the
hair should be extracted.
Don't shave, keep beard clipped
close. & don't applicat.
Squamae or scales.
Deferred.

Suppl. Ind. &c. fleshly treatment²⁵
necessary - Iron, Oil, Morstli, Potass,
Iodid.

Acne - especially at puberty -
Conjunct. of sebaceous follicles - viscid
secretion - red pusular, tender & then
suppurative. A. pustulata - when
discolored on top - dust colors it.
A. involucrata or indurata - larger,
harder - frequent on back - more
sluggish than the others.

Treatment. - Avoid over food - take
exercise, fruit bath - moderate
diet. Develop Catamenia if want.
Lead water locally. Nit. Sulf. Iod.
Iod. Corros. Sulphur, grt & q - Bt
Some people won't stop it - think
it useful. Soap or alkalies fail
generally. A. rosacea - face partic-
ularly affected - nose - follicles
enlarged. Skin hypertrophied.
Semi diathesis - females at
change of life - Some treatm.
Cessation of menses - laxatives

Minor or less disease of hair follicle. Contains & Claiton Microscope. Examined.

Impaired nutrit. Children - debilitated - public Schools & institutions - Endemic.

I don't think it contagious - hard to inoculate it.

No danger from it. Lips like crust, bright yellow color & confined to head - not hard to diagnose.

Don't expose children unnecessarily.

Pomelo furfurans has nothing to do with favus = "linea Capitis", scalp - head attacked, disease of hair follicle - thought contagious, favus treatment - Some apply cap of buckskin with Burgundy pitch & some saffron - Sleep, Gaspardo to kill parasites - barberry treatment.

Cut hair short - emollient application & other apps alk. R. Godin. Arg. nit. Hng,

L. cæciliæca. No danger - inde. diar.¹³
Painful: may last 3 years.

Syphilitic pustule may be mistaken
for it - hissing of case & other symp-
toms - Pth. Lsd. Hydras.

No Syphilis - Min. acids, comes
from bad diet.

Tarus - Porrijs sometimes called -
but is applied to many diseases.

Resembles honey-comb. Resembles
pustule, not nail Sc. Yellow
color - furrows on head root of
hair - yellow, perforated perit -
becomes umbilicated. - Centre
dries up - Smells bad - circum-
ference spreads.

Nature - Some think always
dissect of impaired nutrit. hair
follicle pressed upon, hair falls.
Others think fungous growth. -
Cells budding off from mucus,
believe it contagious.

No reason for thinking it the latter
process of cell development.

like bark of tree. Larva like
forming a sort of mask.

Resisting disease wh. complicated
causes death. Children & in
Summer months usually.

Adult stage - Smolt aphelias
Soft spines to remove feces.

If wants skin. Ointment
or Sulph. Soda. If inflam., of
Tiniei - Benzoyls.

Constit. Leaves, good diet
min. acids, bark. Alk. doses
Ric. H. S. Laxatives for
dental. Regulate uterine func-
tions.

Ecthiyyia - mean to burst
forth. Little boils - Suppurate,
sometimes resemble Small
pox or ripples of Cedar wood.
May be major or few
disappear & deliquesce.

Impaired diet - Depress
diffusion of irritants,
blood, canious matter

February 19th.

Buccal cont'd Rupia - means sores or black
Sanim's matter. Large, pendent blisters -
desiccate - centre deeper than margin,
Brown or gray - occasionally like clam
or oyster shell - becoming prominent is
Caecidominans. Tissue vesicle small,
accumulates & become $\frac{1}{2}$ in to 1 in long
holes & filled with pus. Escharotic-
ulcer - no crust.

Cause - Some think it always Syph-
ilitic - not so; impaired nutrition may
cause it. Alt. doses of Hg, or Pot.
iod. & Syphilis. Tonics if otherwise
Walter dressing or emulsion, application
Any hot. Cup. Suppl. afterward

Pustules - Impetigo, Ecthyma,
Favus, Tylosis, Acne

Impetigo - means to infest. Slight
reddness, papule & pustule forms
Lesion - small - may be scattered on
unprotected. Little comfort drawn
and Among poor. Sparsa -
when scattered - Scabado who

Brucella - slow progress fr. low vi-
tais. More rapid in vigorous per-
sons. Fifth pustules - but don't
produce itch insect.

(Old Scratch himself) Chem

Anything wh. will destroy animal
life will kill him.

Sulphur - common used -
ribbed first with Soap - then
for several days with Sulphur,
Paintment. Sun into it & slow
indirect. Soft Soap alone rubbed
in, said to kill. Oil rubbed
in pores may kill them.

Potass. Sulph. gr x x y bath po-
ay - $\frac{C}{T}$ bath po-

giant, very useful.

Scrophularia - large blabs or
bullaæ - vesicles. Occasionally
fauorrhous - blood serum.
Young, caebellus children -
let them dry up & apply some
Simpliointent.

19
Resembler - Supposed to be various colors. Cause - Checked perspiration follows fire - local instant - occasionally - blood disease.

Great Scaly & Mosaic. Mitis auli - phlogist rash - comes later.

Open punctum & cautery.

St. St. - Scabies - highly contagious. Psora &c - are mean scab. Vesicular erupt. Vesicles accumulate - little redness - bed, fingers - on arm has not been pointed. Character - Skin thinner.

Children - bullocks. May be on body & not on hands. May be pustular fr. scratching. Insect causes it. Ancients knew it - detected in 1835; has been often seen since. Has teeth & spines - can't penetrate over fresh skin - feeds on epidermis & creates vesicle. Throwing out old, new skin it continues. Female in 8-10 days produces new ones. Microscope necessary to detect the insect.

Pyzelis & Donovans Colicines

Locals - mucilous at first -
Grown more later.

Sudamina - obstruct. of
Lundumus ducts. Occasional
slight redness - may feel it.
Occurs in Rheumatism, Typhoid
fever. Called also millaria.

Herpes - means to "creep". Occurs
in minute points - following
mucous layer & exfoliates. Inflamed
base, suppuration, crusts & cic-
atrix. St. phlegmonos - tendency
to suppuration. St. lataeis
preputiales &c owing to heat -

St. yester - form of beet -
"ringles" - p. fiddle. Abdomen,
vesicular erupt. extends to inci-
cise body - may twist around
body & down leg. Unattended
with danger - painful & less
dious. St. annulatus -
form of ring worm.
St. criss - varicosis - very slight

Eczema - means "break over". { 17
Simplicis - small vesicles of little
redness & fever - disappear in 2 weeks
E. rubrum - more severe - vesicles at
first small, enlarge, burst, form a
light crust. Indif. duration, See-
Cessin Coops. Use of Hydrogen. Some
times called, E. impetiginodes, when
it becomes pustular.

E. Capitis - "Crusta lactu" affects
Scalp - hair matted - very offensive
odor. Keast & Draper - Perfolious,
Attends to stage of disease in diapers
Herpes - vesicles large & rounded.

Gabies - fingers &c - blisters.
Lichen - papular. Impetigo-pustular,
Local cause - pitch plaster -
Gaucharides - common poison oak.
Heat - always transient when so
caused. Disorders Menstrual,
Primary Assim. & Joint
Head in children - abdomen in
adults. - lips in old people
comes in chronic cases -

Often a manifestation of frost - no supp-
tion, except fr. constant Scratching.

Treatment. - Treat frost, Cachexia,

Locæ - Avoid Stimulants & aero-
Stage avoid cold & Give Cal-
Gen. hand to support Strength.

Dilute Vinegar, lemon juice, Alcohol
&c. Fr. Godinii - Cor. Sub. gr. 4 - P. 27.
Cresol. 8 M V - Adeps. 3¹/₂

P. 3¹/₂ - Camph. p. x. Adeps. 3¹/₂

p. of Bps. Sublim. Sulph. 3 p.

Ox. Zinci - 3¹/₂ - O. Acuzgo. 3 p.
Adeps. (washed) 3¹/₂, very useful,

{ Eriicles - Dygamia - Ludamia,
Rixes, Seabius - Pisces Rixes
Hymphipus.

Water blisters - not much inc-
flam, very large when Epidem.
is high. Break soon in adult,
pervious fluid. Affect on all
of diff. Sect. diets,
Look like papules.

confounded. Itch & vesiculae - vesicular.
 Yeast. Kony - lemon juice, Collo.
 Alkalies, Minsterial, Esminesque,
 Aroid irritis - la yatis &c. Chronic
 Tonics, Locals - Grilard's Estabil-
 cilaps. Chronic, Dr. Cauchay, Fowler's
 Solution. Cistin Ointment - Laroint-
 ment.

Strophulus - The 'Pum', Attacks
 infants - red pum - first month - over
 body. White pum - all though dimin-
 less painful. Correct diet, five
 Soda - attend to liver. Lanceums,
 Ag. Camph. Ag. Calcis, Spels. Mindr.
 Nut. Cocach.

Poison - Intolerable itching - on the
back - burning, can't sleep. Scarcs
visible - except horizontaly - white; becomes
thickened fr. Seratellus - bloody, crusts.
Cause - want of cleanliness often,
not always - Cashewns. Often footy.
Often confound with itch or scyzema.
Itches - red - diff, locality.
Simple pruritus - itches - no eruption.

often necessary.

{ Papules - Solid prominences of
Skin - slight inflam. Little tendency
to suppuration. Orifices of sebaceous
ducts affected - small orifice at
top of papule & perforated by hair
secretions,

{ Ulcers - Simply - Small papules,
painless & itches - millet seed -
various shapes - Occasionaly
lids in leprosy persons.

Sometimes circular - Circumscriptus,
like ring worm. Sometimes δ - δ -
Gyratus? Sometimes Corned
& goes - L. interclusus. Sometimes
Chronic - goes papules - Skin
thick, scaly & cracks. L. apia -
more chronic, aggravated & obstinate.
Cause - Constit. vice - may
be from γ disorders menstruation -
local irritant - pitch, heat -
red flannel, fr. poisonous dye being
used. Disease could hardly be

Plant. Act., or Common flora locally¹³.

Feb. 18th,

ments - Care ointmt., liver,
Potass., God., Mry., Arg., Nit.,
Bizet, Sulph., At. Sul., &c
Blister occasionally demanded,
very difficult to tell when to
stop one plan of treatment & begin
another.

No danger in curing eruption of
Constil. treatment is Simulta-
neously employed.

Rashes - Yanatemala -
Erythema - means blush,
Superficial redness, no fever
Slight swelling, disquamata,
Often local, results of fastne
irritat., called "fugaces", "cis-
cimata", "^{marginalis} Yanatemala" - Localized -
"lower extrem.", "Impetigo"
Simple varic - Seen on lips often,
E. nodosum - Seen in disorders
menstrual - on lower extrem.
Attend to digestion - alk.
Xanthomat: Cogn dysmenorrhoea
& diarrhoea - Mucilous,

times - Leaves & stems have been thought to
over its usefulness to small quantity of
Arsenic cont'd - from Sulphur creosol
Ole. Morp. improves gentle irritation - No
better locally than washed lard.

Dr. Cauthard, in obstinate cases - Stim-
ulates capillaries - useful in chronic
Scaly diseases. Orileamard seems
to act on Skin, producing Secretion
& acts too as Sedative - & never found
it useful.

Gen- local Treatm't.

By cayenne not to stim. in acute Slaps
Faths useful, removes congest, softens
Skin, promotes secretion & processes slip,
may be medicated in various ways.
Simple water dressst in acute
slaps, not too long cont'd. Liniment,
of Lime Water & Ole. Lini, linj. of
various kinds - take care not to
let them become rancid. Pengow six
to seven $3\frac{1}{2}$ pwt's rancid if,
linj. gined Oedi - very useful.
Chronic cases - use Stim. oint-

Treatment in skn. of cutaneous diseases.

Many men give Sulphur, bark &c & don't
know what else to do. They are simply
manifestations of some int- disorder-
not ext- disease. Must give some
stitutional ~~treatment~~. In acute
Stage may have to use leeches,
Draughts, diuret., laxatives,
tonic &c. Chronic - Comies
from - blood poison & specific
diathesis. Liver & kidneys often
impaired in function. Cant
eliminate. Arsenite seems a
specific in many skin diseases,
I don't give it in Acute Stage - irritates
& stimulates skin. Often at first
no violent eruption & a little fever,
but afterward gets better,
Liq. Pot. Arsenit. & Drv. Turp.
during or after meals.

Donovan's Solution - Drv. & appt
to Salivato in large doses, very
useful in obscure diseases.
Sulphur seems specific some-

9

ie - diff^t. stages of same pathological condition. Same disease may have diff^t. appearances in diff^t. parts of body.

Near always, some constitutional disturbance, & often peculiar diathesis - Sometimes local irritant causes it. Inflamm. of int^r-organ. may, temporaril^y, cure the eruption. Bromhidrosis results often wth erupt. Disappears - reproduces it. Sometimes hereditary & occasionally contagious. Diagnosis - very important - treatment depends on it or you get reputation for ignorance if you can't diagnose. First find out the head under wh. it comes & then compare it with all coming under that head. Occasionally other erupt. become complications or disease becomes chronic & you can't diagnose. Arsenic, by stimulation skin develops an acute attack of the disease & you are enabled to diagnose it - Sulphur, Specific wth scabies &c.

blood - no anatomical lesions
{ Breath - Skin cases - blood
promotes absorption. Perspiration
diluted & diuresis relieves it -
imitate naturally drink, draff,
& hydrocephalic cath.

{ Passimiforms - improve blood
increase plasticity - Tonics
Dr. Fer. Chor. often destroy
v. thin. ~~Anæsthetics~~
Amasard - make minute
punctures & apply pressure.
{ Diseases of the Skin.

They generally result fr. irritation
or from impaired nutrition.

They are classified accord^d to their
appearances - or accord^d to the
anatomical structures wh. the
diff. diseases affect.

They vary accord^d to the dracness
of patient, but are very slight inflam-
mations. Erythema - Lupus
figue redness & inflam.

Papule inflam of deeper structure

HC. for - Secund amin dyctiums -
Exercise &c. Relieve Kid- by diuretic
Diaph. & urinate laxatives - act. doses
of Pil. Hydrarg. Great debility
often associated with excessive
flow - Billadonna & storax.

Feb, 14th. Dropsy.

Not in itself a disease. May be divided
into steric or active & passive dropsy.
Cause - Not strictly due to inflam.
May cause congestion & then dropsy.
Venous congestion, generally with watery
condition of blood, common cause.
Liurus, occlusion of Aorta, phlebitis
& other obstruct. local causes.
Heart - valv. disease or dilatation very
common genit. cause.

Affect. of Skin & Kidney causing
plenitude of vessels - Causes it.
Prognosis depends on cause.
Diseases of Kidney, heart & liver
unfair. Ibalin condition of

Don't give sugar.

Water, best drink; if debility give
Burgundy, Clairet or Brandy
& Clairet. Butter-milk useful.

Don't too rapidly change habits of
patient who has been eating every-
thing. Keep mind cheerful.

Change of Climate & Traveling
may keep disease at bay.

Don't consider patient cured till
even trace of sugar disappears
even on taking amylaceous food.

Diuresis - persist. & const.
flow of urine. May be large
amt. of pelleted water - but
low sp. gr. 1002 perhaps with
deficient urea. May be high
sp. gr. great thirst & mæstivation
Called Azoturia - many B.
Spent her day,

great amt. of H₂O food or
disturbed assimilat. of tissues
causes. Contains no sugar,
but excess of urea. Avoid

Iron, Bark &c improve digestion & aid
primary assimilation. Alkalies - Pot.
or Soda. Carb. Oxidized Sugar & punch
acidif. Potass. Permanganas - tried
unsuccessfully. Pennet useful -
bj at meal times. Mord Jane Yeast.
Pepsin, D - tried - failed in this case.

Must combat distress - Symptoms -
dryness of skin & jaundice - give
Opium - as Dover's powder.

Steam bath, foment & warm clothes,
gentle perspiration, persauder-Rhei,
Coccynt, Jujit, &c not saline
laxatives. Ol. Morphia latr.,
useful. Derivatives over liver
& rectum in ch. liver is wrong.
Must combat symptoms genly.

Proper diet most useful - give
Animal diet as far as possible -
gluten bread - fecula washed out
is useful. Vermicelli - Macaroni
may mix bran with egg & butter,
turn raw veg. - Cold slow, Celery
&c. Avoid amygdalus articae.

sistered cause by some.

No anatomical lesions - tubercle
Fatty infiltration of the liver as a
result of impaired nutrition & con-
gestion. Blood contains large
amt. of sugar - so does liver.
Has been supposed that it may have
a saccharic diathesis,

{ D-thinks it due to primary as-
similation of a faulty character.

Salivary glands contain diastase
Spine experiments on food - walls
lowered amt. & but little.

In this disease the sugar is not
converted into lactic or butyric
acid but is thrown into the sys-
temic circulation & acts as a
diuretic. Treatment. Restore
healthy gastric juice &c - You
can't relies patient while veg.
food is taken - Give animal
food - avoid all disturbances
of nervous system, suppression
use of tobacco &c. Min. Alc.

3

greatly impaired. Spudg, deaf, apt to occur,
Cataract don't necessarily follow - when
it does it is due to impaired development
or nutrition - a fixed thing. (Dr. has never
seen it.) Often symptoms hard to exist
urine contains very little Sugar -
test it by evaporating it on water crys-
tallae - Sugar granular, not crystalline.
Most frequently obtained as molasses,
have to resort to Fronni's test in
large quantities - Cupri Sulf.,
& Lig. Potass. (Moor's test - Big - bold
with 3% Potass - red orange color)

Potass. Chromas - may be used.

Fermentation - Yeast & water added
to urine in test tube, inverted in Laney
 CO_2 is evolved - every cubic inch equals
1% Sugar. Yeast plant - result
of fermentation of Sugar in diabetic
urine. Hereditary - always un-
favorable here. Abuse of food & drink,
mental or phys. fatigue - excessive
use of Sugar & tobaccoes.

Disturbed function of liver &c can

amt. of Sugar in a given quantit.
(man becomes Sugar Manufactory)
Sometimes quantity exceeds all
the impress & even the weight of all
the fluids of body,
then & other parts not much dis-
injured. Inflammation becomes
Dyspepsia, Fins Spicy, Cold
Cough, Mucus Memb. &c -
Constipation & Insomnia,
Almost inevitable - since it comes
on insidiously. Used to be com-
bined with Diuresis.

Temporary Diabetes not un-
common fr. eating Saeed. mawz
or fr. Asthma. liable to sudden
death fr. any intercurrent disease.
Bangrenous tendency - don't
operate on such patients.

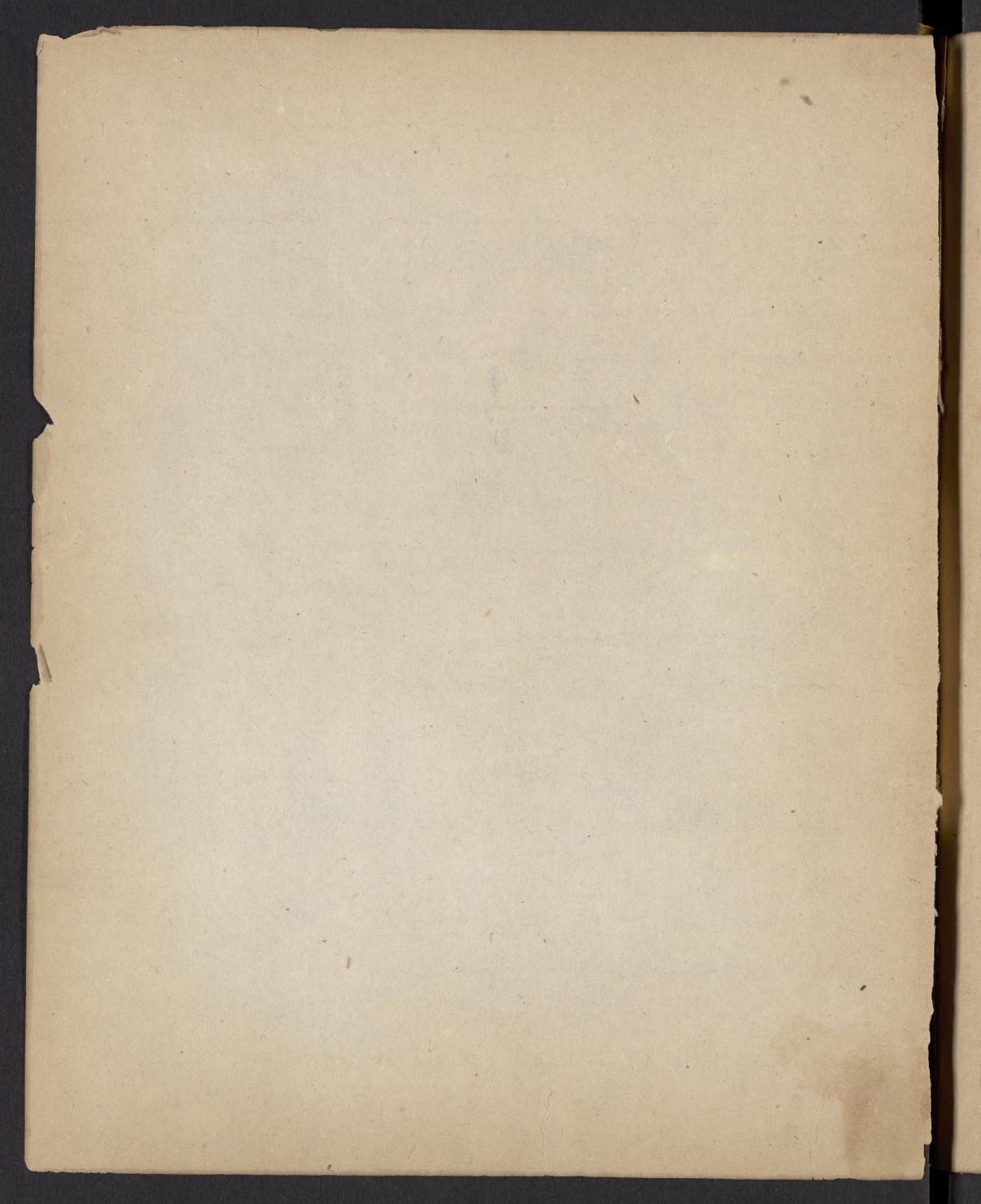
Function of Kidney exaggerated -
Congestion & albuminuria follows -
patient dies almost necessarily.
Tubercular Developments
apt to follow - Nutrition being

February 16th 1884. Diabetes.

Not a disease of kidney - result of impaired nutrition - function of kidney unduly exercised in separating solid matter. Means "flow through" of excessive flow of urine.

Diuresis - Excessive urination without sugar. Diabetes, Urine Contains Sugar, not necessarily in excess.

Symptoms - Often insidious - dyspeptic symptoms - calor, dry throat - prostration of strength, emaciation - increased flow of urine particularly at night attracts attention. Thirst generally excessive - watery part of blood draining away; and propels food character of food - augmented by amylaceous food. Requires a much water here as is required to convert starch into sugar and dextrin. Quantity of sugar varies - gives sp. gr. of the urine (normal 1015-20) 1035-1050 in Diabetes. Multiply excess of sp. gr. over 1000 by $3\frac{1}{3}$ & you get the



A. H. Smith.

Feb. 16th - Piles. Deformities - Club foot.

" 17th Satural curvature of Spine.

" 18th Ant. post. curvati. Subverte & Caries of Vertebrae.

" 19th - Affections of eye. Amaurosis. Cyclitis. Sty - Blear eyes.

" 23rd " " Fistula lach. Nasopharyngeal, &c.
Conjunctivitis = ⊕ - Sclerofilitis = ⊕ - Acid. san. srt - B3rd.

Chymosis - be examined for this.

" 25th Scrofulovous ophthalmia. Gonorrhœal Conjunctivitis & gon. Ophthalmia. Ulcer of cornea. Sclerofilitis = Rheumatic ophthalmia? Cornitis. Staphyloma. Dritis.

ДОКУМЕНТЫ РОДА БАУЧИ
РО
АНГЛЯРДА ЮНК

E. J. Morris

Notes on Prof. W^m Peppin's
Lectures on
The theory & Practice of Medicine

University of Penna.
1883-84

E. J. Morris

COLLEGE OF PHYSICIANS
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